

KV-X2121D
RM-673

SERVICE MANUAL

AEP Model

Chassis No. SCC-B14S-A



AE-1 CHASSIS

Note: The service manual for RM-673 has been issued separately.

MODELS OF THE SAME SERIES

KV-X2121D	KV-X2521D
KV-DX21TD	KV-DX27TD
KV-X21TD	KV-X25TD

SPECIFICATIONS

Television system	CCIR B, G and H	Power consumption	82 Wh
Color system	PAL, SECAM, NTSC3.58, NTSC4.43	Dimensions	Approx. 519 × 471 × 463 mm (w/h/d)
Stereo system	German two-carrier system	Weight	Approx. 26 kg
Channel coverage	VHF channels E2–E12 UHF channels E21–E69 Cable TV channels S1–S20 (A total of up to 30 preselected channels)	Supplied accessories	RM-673 Remote Commander (1) IEC designation R6 batteries (2)
Picture tube	Trinitron tube 100-degree deflection Approx. 54.5 cm (21 inches) (Approx. 51 cm picture measured diagonally)	Audio output	10 W + 10 W (music power)
Inputs	21-pin connector : CENELEC Standard 21-pin connector : RGB input unconnected	Design and specifications are subject to change without notice.	
Outputs	Headphones jack : stereo minijack External speaker terminals : 2-pin DIN Audio output jack : phonojack output level dependent upon TV setting		



TRINITRON® COLOR TV
SONY®

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SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1 GENERAL

Note) The layout, etc., will be slightly different from the operating instructions packed with the units.

1-1. FIRST OF ALL

- 1 Connect the aerial to the Γ socket on the rear of the set.
This socket receives the standard 75-ohm aerial plug.
- 2 Plug in the set.
- 3 Tune in the available channels.

Use the buttons inside the panel. To open the panel, push the center.

To tune in all channels automatically :

- 1 Press \Rightarrow (preset).
- 2 Press PROGR to select the program position from which tuning is to start.
- 3 Press \Rightarrow (auto programing).

The channels will be tuned in and memorized in consecutive positions, beginning from the program position selected in step 2.

When tuning has been completed, the set returns to the position where tuning began.

To tune in a channel in any desired program position. (e. g. the position which the same number as the channel) :

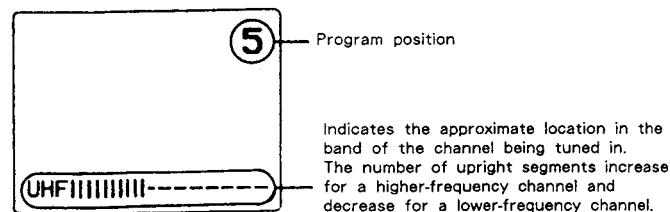
- 1 Press \Rightarrow (preset).
- 2 Press PROGR to select the desired program position.
- 3 Press C (clear).
- 4 Press \oplus (search) repeatedly until the desired channel appears.
- 5 Repeat steps 2 to 4 for all channels, if required.
- 6 Press \Rightarrow (preset) again.

If the set is to be used in an area with poor reception, preset the program numbers between 1 and 19 for TV program use.

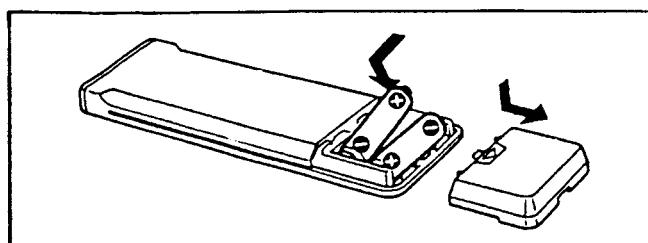
To have the unused program positions skipped when PROGR+ or PROGR- is pressed

- 1 Press \Rightarrow (preset).
- 2 Press PROGR to select the unused position.
- 3 Press C (clear).
- 4 Repeat steps 2 and 3 for all unused position.
- 5 Press \Rightarrow (preset) again.

On-screen display while tuning

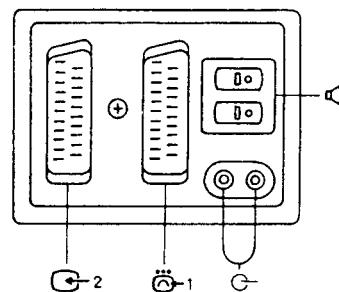


- 4 Insert two R6 batteries checking the correct polarity.



1-2. CONNECTING OTHER EQUIPMENT

Connectors on rear set



L/G/S	Left external speaker terminal (2-pin DIN)	Connect to external speakers. The TV speakers will be disconnected.
R/D/D	Right external speaker terminal (2-pin DIN)	speakers 8–16 Ω
R/D/D	Right audio output jack (phono jack)	Connect to audio equipment. When only using the phono-jacks, two loudspeaker plugs, (DIN 41529) should be inserted into the external speaker terminals so that the TV speaker output is switched off.
L/G/S	Left audio output jack (phono jack)	
G-1	21-pin connector (CENELEC standard)	Connect to a VTR micro computer, etc. The picture of the TV channel being received is always output. The picture of G-2 can be watched while recording a TV program with the VTR connected to G-1.
G-2	21-pin connector (without RGB input)	Connect to second VTR. The picture displayed on the screen is always output. The picture of G-1 can be recorded with the VTR connected to G-2 while monitoring the picture.

VTR operation using the supplied Commander

Remote operation of the VTR is limited to the features and functions of the VTR. For further details, refer to the VTR manual.

When watching a video with the VTR connected to the Γ connector, set the channel for the video to the program number 0 or any empty channel between 20 and 29.

Note

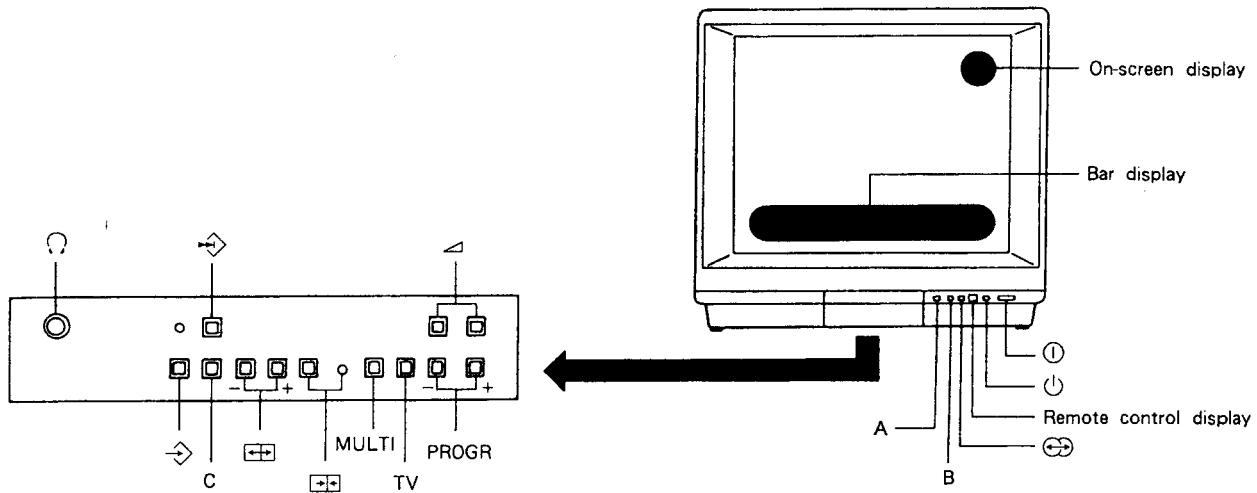
Move the VTR away from the TV, if the picture or sound is distorted.

21 pin connector (Pin 1, Pin 2)

Pin No	Pin 1	Pin 2	Signal	Signal level
1	○	○	Audio output B (right)	Standard level : 0.5 Vrms Output impedance : Less than 1 k ohm*
2	○	○	Audio input B (right)	Standard level : 0.5 Vrms Input impedance : More than 10 k ohms*
3	○	○	Audio output A (left)	Standard level : 0.5 Vrms Output impedance : Less than 1 k ohm*
4	○	○	Ground (audio)	
5	○	○	Ground (blue)	
6	○	○	Audio input A (left)	Standard level : 0.5 Vrms Input impedance : More than 10 k ohms*
7	○	●	Blue input	0.7 V ±2 dB, 75 ohms, positive
8	○	○	Function select (AV control)	High state (9.5–12 V) : Part mode Low state (0–2 V) : TV mode Input impedance : More than 10 k ohms Input capacitance : Less than 2 nF
9	○	○	Ground (green)	
10	○	○	Open	
11	○	●	Green/Green with sync input	Green signal : 0.7 V ±2 dB, 75 ohms, positive Green with sync signal : 1 V ±2 dB, 75 ohms, positive
12	○	○	Open	
13	○	○	Ground (red)	
14	○	○	Ground (blanking)	
15	○	●	Red input	(Same as Pin 7)
16	○	●	Blanking input (Y _s signal)	High state (1–3 V) Low state (0–0.4 V) Input impedance : 75 ohms
17	○	○	Ground (video output)	
18	○	○	Ground (video input)	
19	○	○	Video output	1 V ±2 dB, 75 ohms, positive Sync : 0.3 V (-3, ±10 dB)
20	○	○	Video input	1 V ±2 dB, 75 ohms, positive Sync : 0.3 V (-3, ±10 dB)
21	○	○	Common ground (plug, shield)	

* at 20 Hz–20 kHz ○ connected ● unconnected (open)

1-3. FUNCTION OF CONTROLS



On the set

On-screen display

Indicates program numbers and input modes.

Bar display

Indicates the level of volume, color, brightness, contrast, bass, treble and balance.

Note on function.

When the volume is at the minimum setting the balance function will not operate.

Power switch

To cut off the mains power completely, press this switch. Depress the power switch fully to ensure correct operation of the set.

Note

To ensure correct operation, push the switch in fully.

standby indicator

Lights up brightly when the set is in the standby mode.

Note

If the main power is turned off when in standby mode, the standby indicator will take 2 to 6 seconds to go off.

space sound indicator

Lights up when on the Remote Commander is pressed.

A/B indicators

One of them lights during bilingual broadcast. (Choose A or B with the Remote Commander.)

Both light during stereo broadcast. In AV mode, A lights for left channel, B for right channel, or A and B for both channels.

Remote control detector

Point the Remote Commander towards this detector.

Inside the panel

headphones jack (stereo minijack)

SEARCH buttons

Press to fine tune a weak channel manually, if required. When is pressed, the indicator (AFT) goes off and the AFT circuit does not function on the selected channel. To restore the AFT circuit on this channel, press (AFT) so that the indicator lights up.

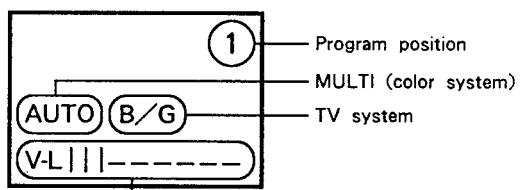
AFT button and indicator

Normally, press so that the indicator lights up. The AFT circuit automatically fine tunes the channel for the best possible picture.

volume buttons

PROGR+, PROGR- program scan buttons

On-screen display during presetting



Indicates the approximate location in the band of the channel being tuned in.

"V-L" : low VHF band, "V-H" : high VHF band, "UHF" : UHF band.

The number of upright segments increases for a higher-frequency channel.

Each time TV button is pressed, the following indications appear in this order.

B/G : West European TV standard

I : British TV standard

M : American TV standard

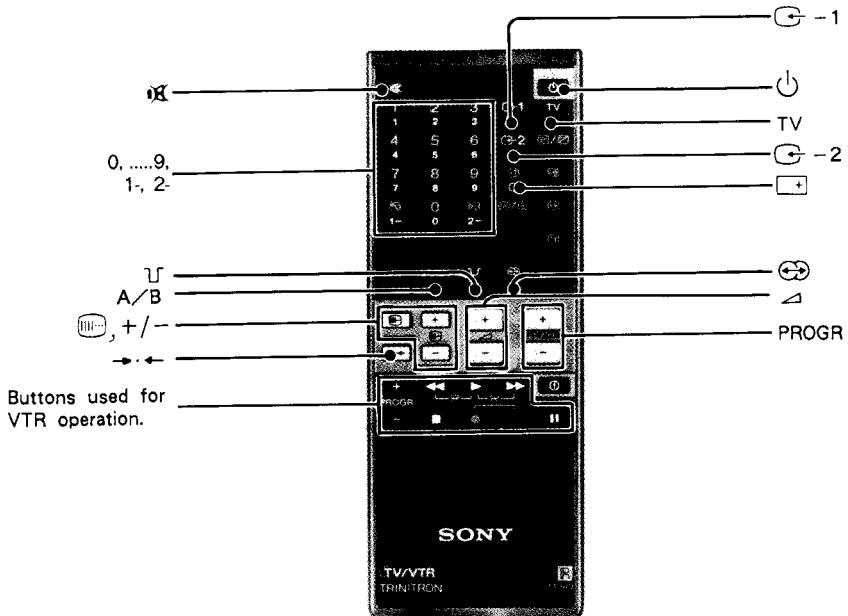
D/K : East European TV standard

L : French TV standard

Each time MULTI button (COLOR SYSTEM) is pressed, the following indications appear in this order.

AUTO ; NTSC3.58 ;

Normally set to the AUTO position. The available color system is selected automatically.



RM-673

On the Remote Commander

To operate the Commander, point it toward the remote control detector.

mute button

0, ..., 9, 1-, 2- buttons

To tune into :

program 15, press 1- and 5.

program 25, press 2- and 5.

A/B button

Press to select the language in a bilingual broadcast, or to select the channel in AV mode.

+ / - analogue select buttons

Press .

will appear on the screen. Adjust by pressing + or -. Press again and adjust (color), then (brightness), (bass), (treble) and (balance).

→ • ← reset button

Press to reset color, contrast and brightness to factory-set levels.

standby button

Press to change to the standby mode. Use this button to turn off the set for short periods of time.

To turn on the set, press TV or the program number; there will be a slight delay before the picture is restored.

If the main power is turned off when in standby mode, the standby indicator will take 2 to 6 seconds to go off.

TV button

Press to change to the TV mode from standby, input or teletext modes.

-1 input button

Press to view the input picture coming in through the connector.

" 1" lights up on the screen.

Press TV or the program number to return to the TV mode.

-2 input button

Press to view the input picture coming in through the connector.

" 2" lights up on the screen.

Press TV or the program number to return to the TV mode.

+ on-screen display button

Press to make the display appear on the screen.

Press again to make it disappear.

loudness button

Press to emphasize high and low notes.

- space sound button

Press to obtain special acoustic effects.

volume buttons

PROGR program scan buttons

Note

Buttons not referred to on this page or next page do not operate.

1-4. VIEWING TELETEXT

To view the teletext service, use the Remote Commander. The buttons for teletext operation are indicated in green.

Operation

- 1 Select the TV channel for the desired teletext service.
- 2 Press (TEXT/MIX) to display the teletext service.
Once has been pressed, the TV channel cannot be changed.
- 3 Key in the three digits for the desired page using the number buttons. If an error is made, complete the three-digit sequence by keying in any digit. Then re-enter the correct page number. The requested teletext page is displayed.

To return to the TV mode, press TV on the remote commander.

The teletext service can be displayed directly from the standby mode, by pressing .

To receive the teletext service of a different TV channel

- 1 Press TV to return to the TV mode.
- 2 Select the desired TV channel.
- 3 Press .

Note

To receive the teletext service accurately, keep inside the panel switched on during teletext operation.

To display the index page

Press (INDEX).

If the necessary signal is not being broadcast, page 100 is displayed.

To access the next or preceding page

Press (PAGE+) or (PAGE-).

To superimpose the teletext display on the TV picture

Press twice from TV mode.

Press again to return to the TEXT display.

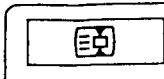
To suppress the teletext display so that the TV picture is displayed

Press (TEXT CL).

This button can be operated from both the TEXT and MIX displays.

To prevent a teletext page (subpage) from being updated /changed

Press (HOLD). The HOLD symbol appears at the top of the screen.



To resume normal teletext reception, press .

To enlarge the teletext display

Press .

Press once to enlarge the upper half of the display; press again to enlarge the lower half of the display; press again to return to the normal display.

To reveal concealed information such as the answers to a quiz

Press (REVEAL).

Press again to conceal the answers.

To adjust the contrast of the teletext display

When in teletext mode, adjust by using the + or - keys adjacent to the key.

To watch the TV program while waiting for a requested page to be displayed

- 1 Request the new page.

- 2 Press to watch the TV program.

The requested page number appears at the top left of the screen.

When the requested page has been captured, the page number is displayed in the top left hand corner of the screen.

P101

To view this page, press .

To have a requested page displayed at a pre-determined time

- 1 Request a time coded page (e.g. alarm page).

- 2 Press (TP ON).

"T***" will appear at the bottom of the screen.

T***

- 3 Enter your request time with the number buttons, using four digits. For example, 07 : 30.

T0730

To watch the TV program until the requested time, press . At the requested time, the page number will be displayed at the bottom of the screen.

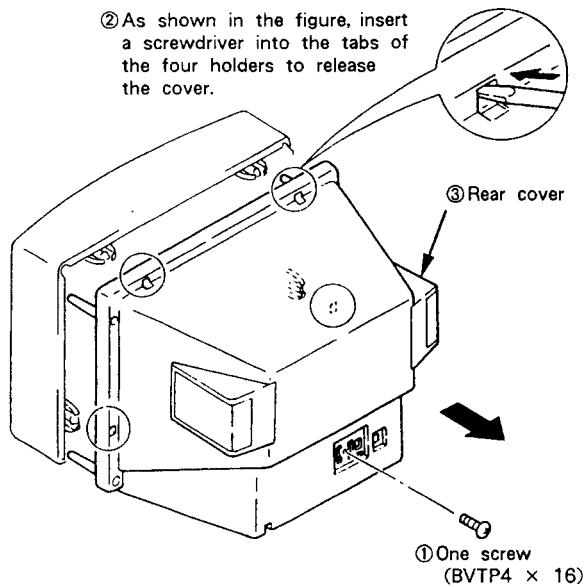
To view this page, press .

To cancel the request, first ensure that the teletext page is displayed, then press (TP OFF).

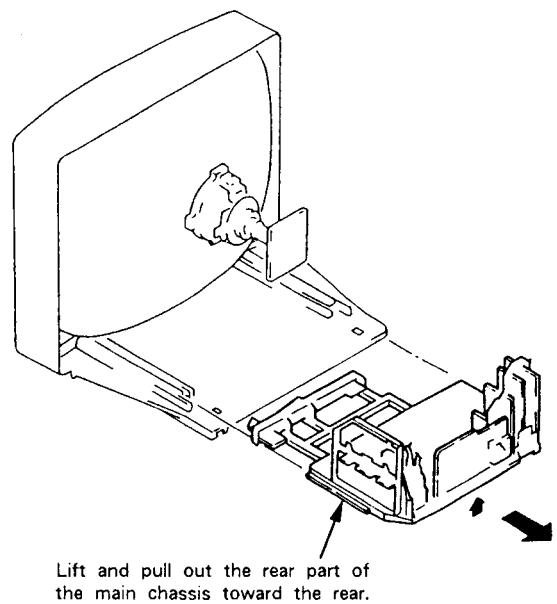
SECTION 2

DISASSEMBLY

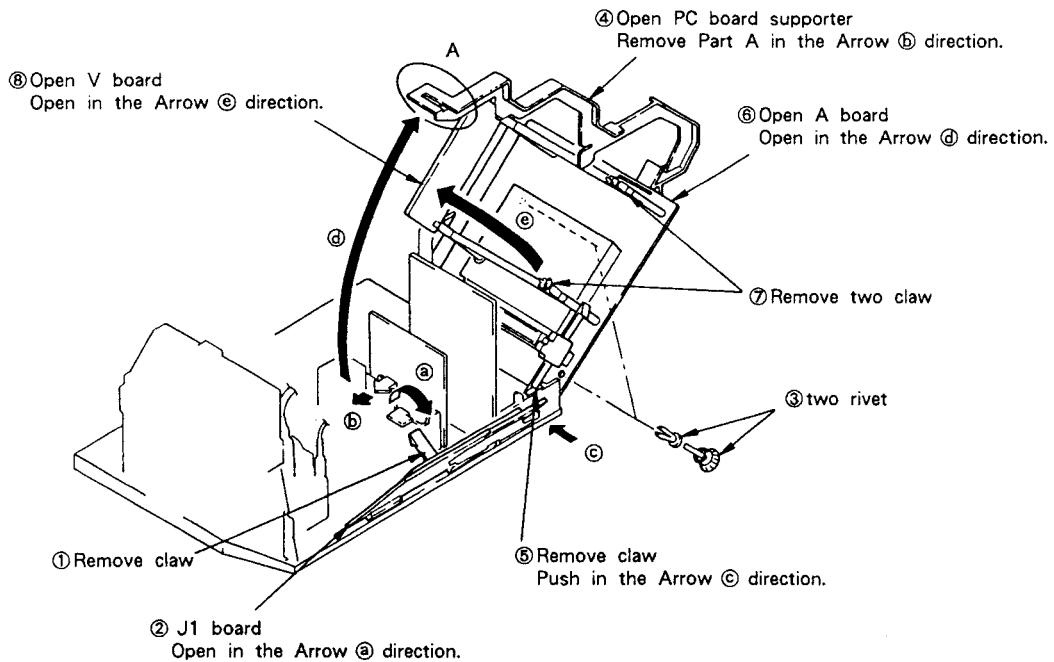
2-1. REAR COVER REMOVAL



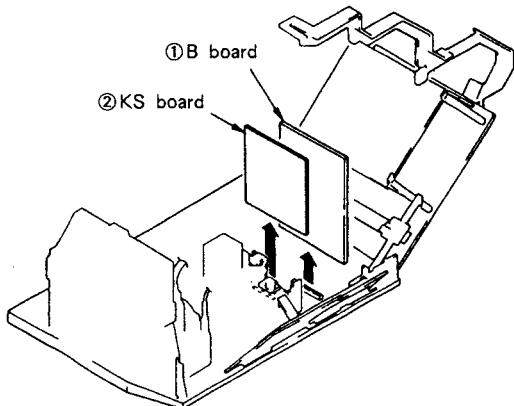
2-2. CHASSIS ASSY REMOVAL



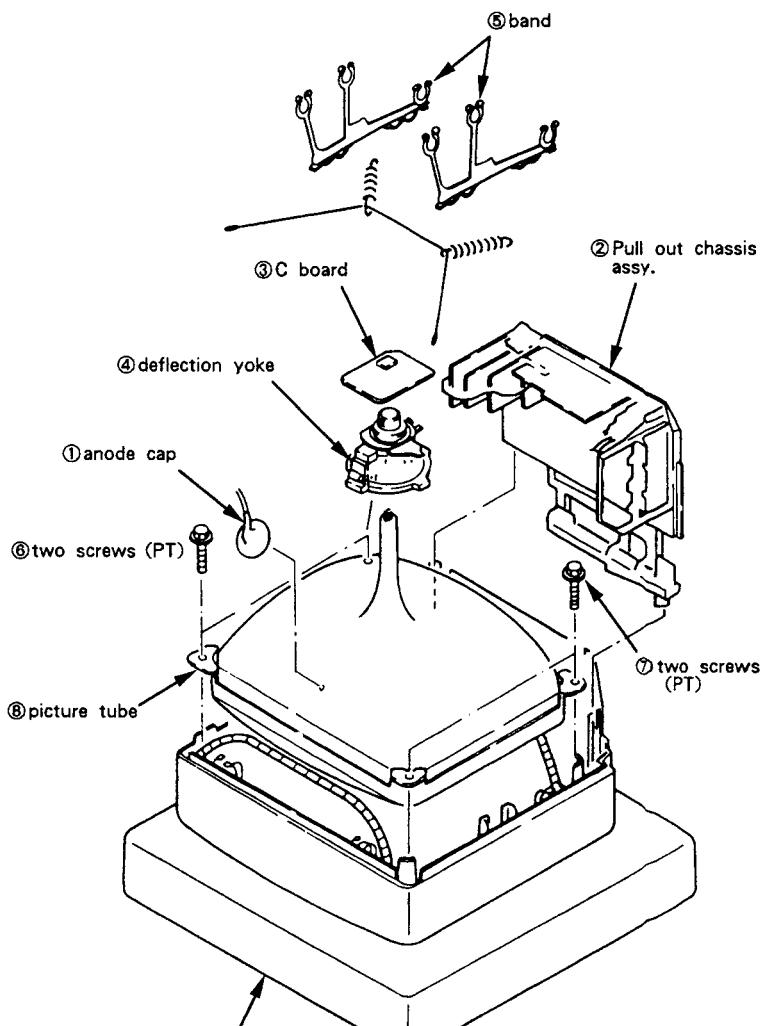
2-3. J1, A AND V BOARDS REMOVAL



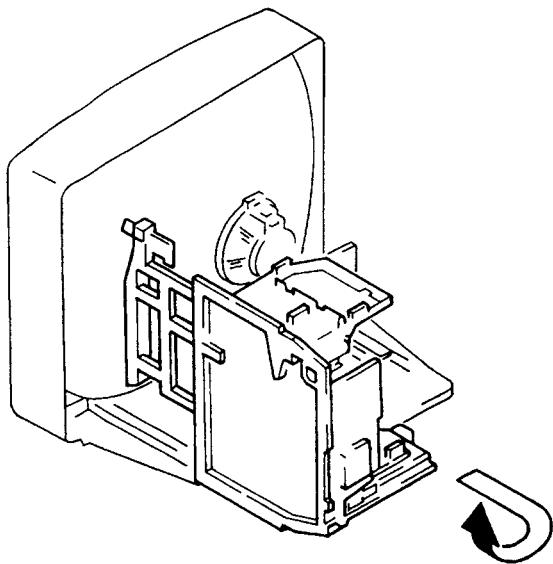
2-4. KS AND B BOARDS REMOVAL



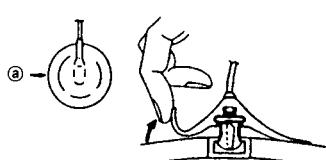
2-6. PICTURE TUBE REMOVAL



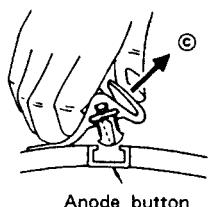
2-5. SERVICE POSITION



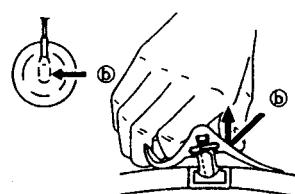
• Removing Procedures



- ① Turn up one side of the rubber cap in the direction indicated by the arrow ④.



- ② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow ⑤.



- ③ When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ⑤.

SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted :

●CONTRAST control 80% (or Normal by Commander)

⊗BRIGHTNESS control 50%

Perform the adjustments in order as follows :

1. Beam Landing
2. Convergence
3. Focus
4. White Balance

Note : Test Equipment Required.

1. Color Bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

Precaution

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

3-1. BEAM LANDING

1. Input a raster signal with the pattern generator.
CONTRAST normal
BRIGHTNESS normal
2. Turn the raster signal of the pattern generator to red.
3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3-1 to 3-3)
4. Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig. 3-1)
5. Switch over the raster signal to blue and green and confirm the condition.
6. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
7. When landing at the corners is not right, adjust by using the magnet. (Fig. 3-4)

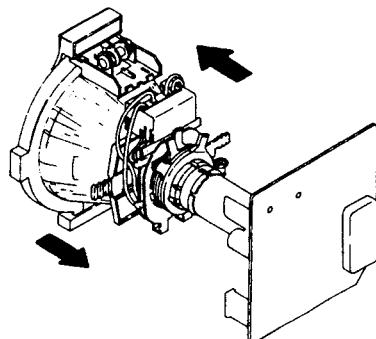


Fig. 3-1

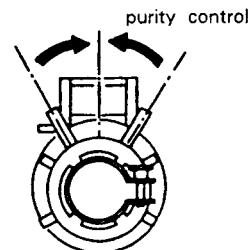


Fig. 3-2

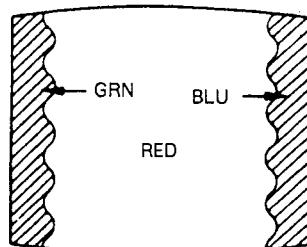


Fig. 3-3

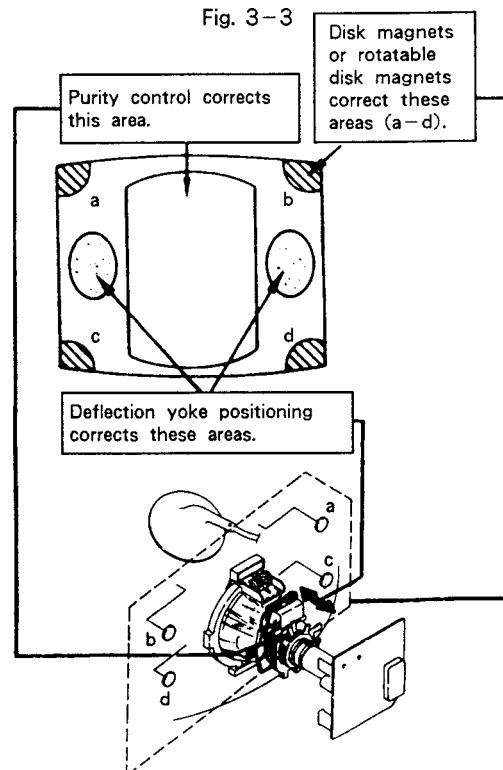


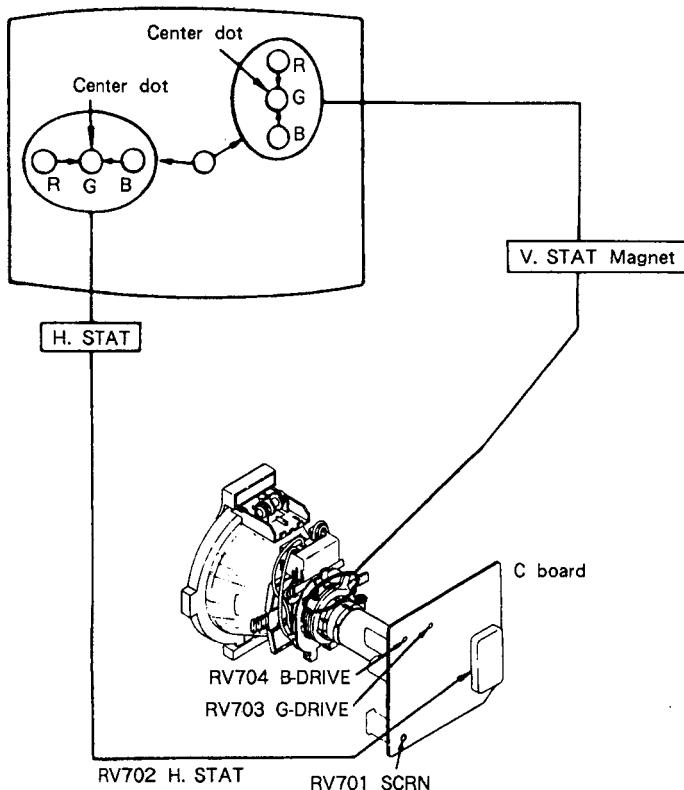
Fig. 3-4

3-2. CONVERGENCE

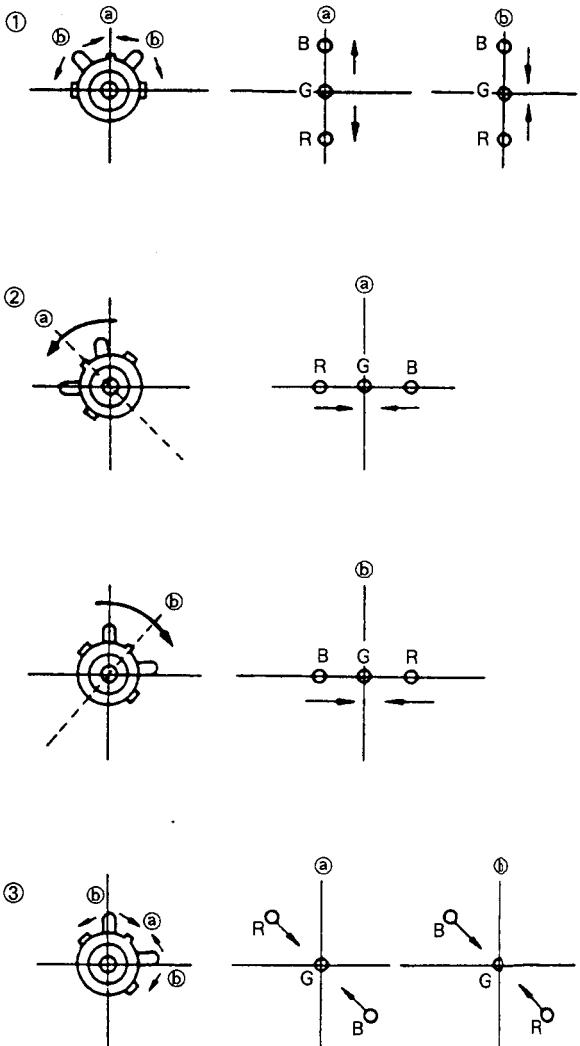
Preparation :

- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.

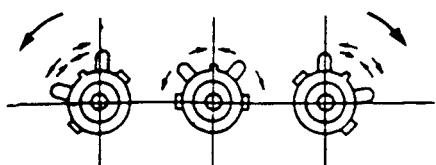
(1) Horizontal and Vertical Static Convergence



4. When the V. STAT magnet is moved in the direction of arrow ④ and ⑤, red, green and blue dots move as shown below.



1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)
3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.

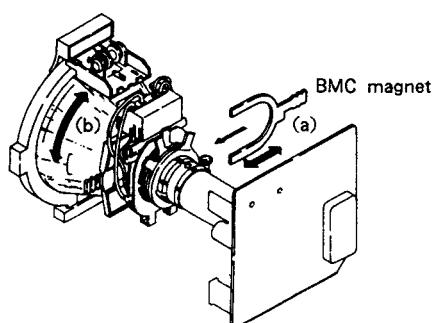


If the red and blue dots do not coincide with green dot, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.

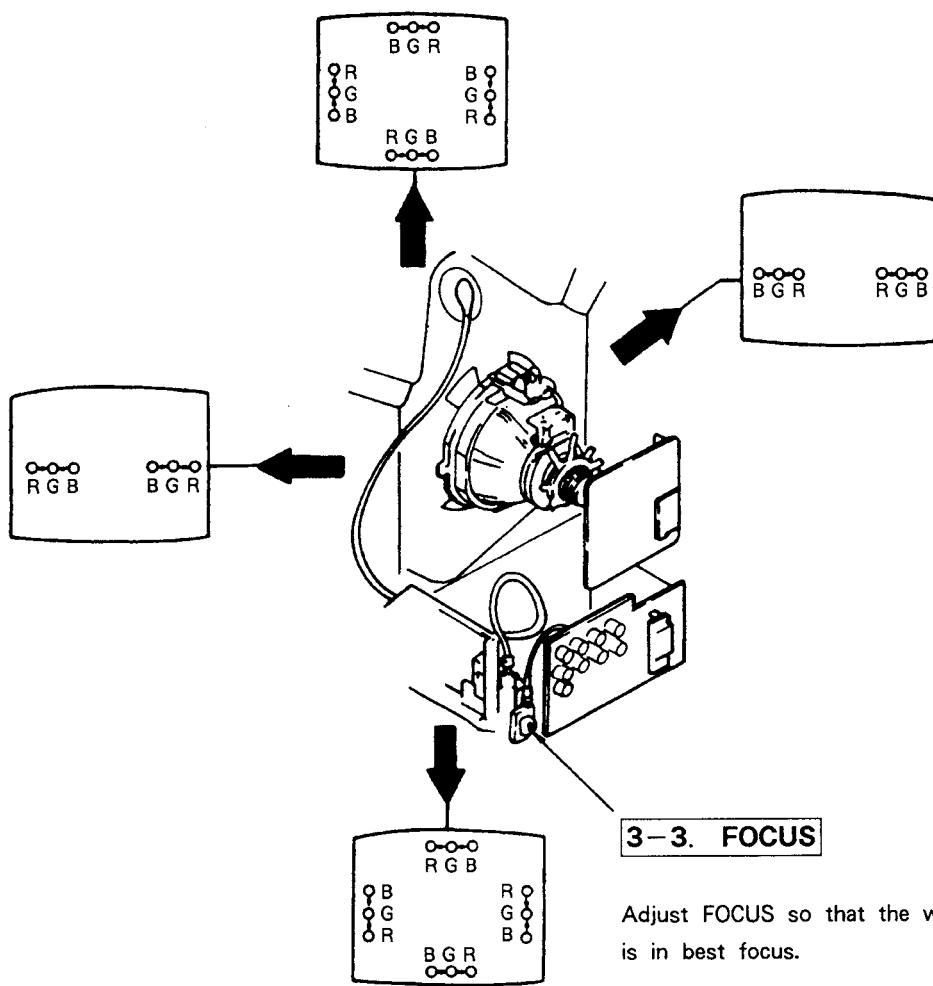


(2) Dynamic Convergence Adjustment

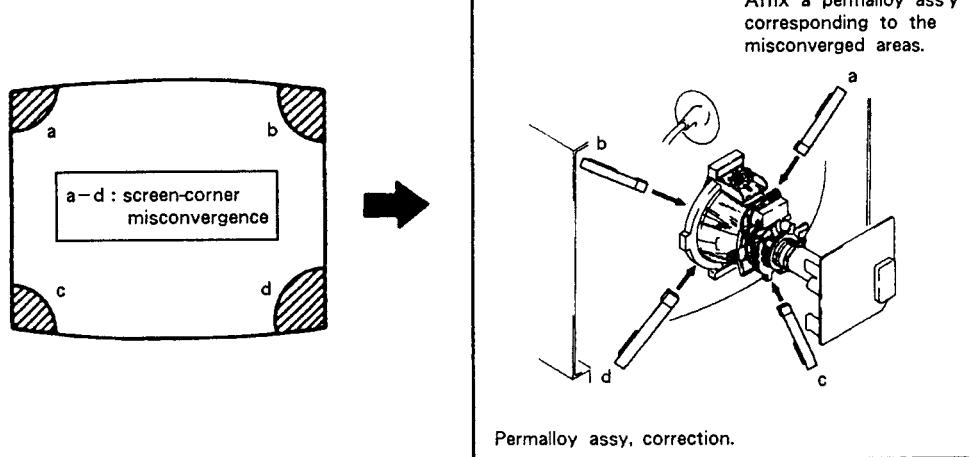
Preparation :

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
- 1. Slightly loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.

3. Move the deflection yoke for best convergence as shown below.
4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.



(3) Screen-corner Convergence



3-4. WHITE BALANCE

(Screen (G2) Setting)

1. Input dot signals from the pattern generator.
2. Set the picture BRIGHTNESS control to the minimum level.
3. Apply 170 V dc to the cathodes of R, G, and B from an external power source.
4. While watching the picture, adjust the G2 volume (RV701) immediately before the fly-back line disappears.

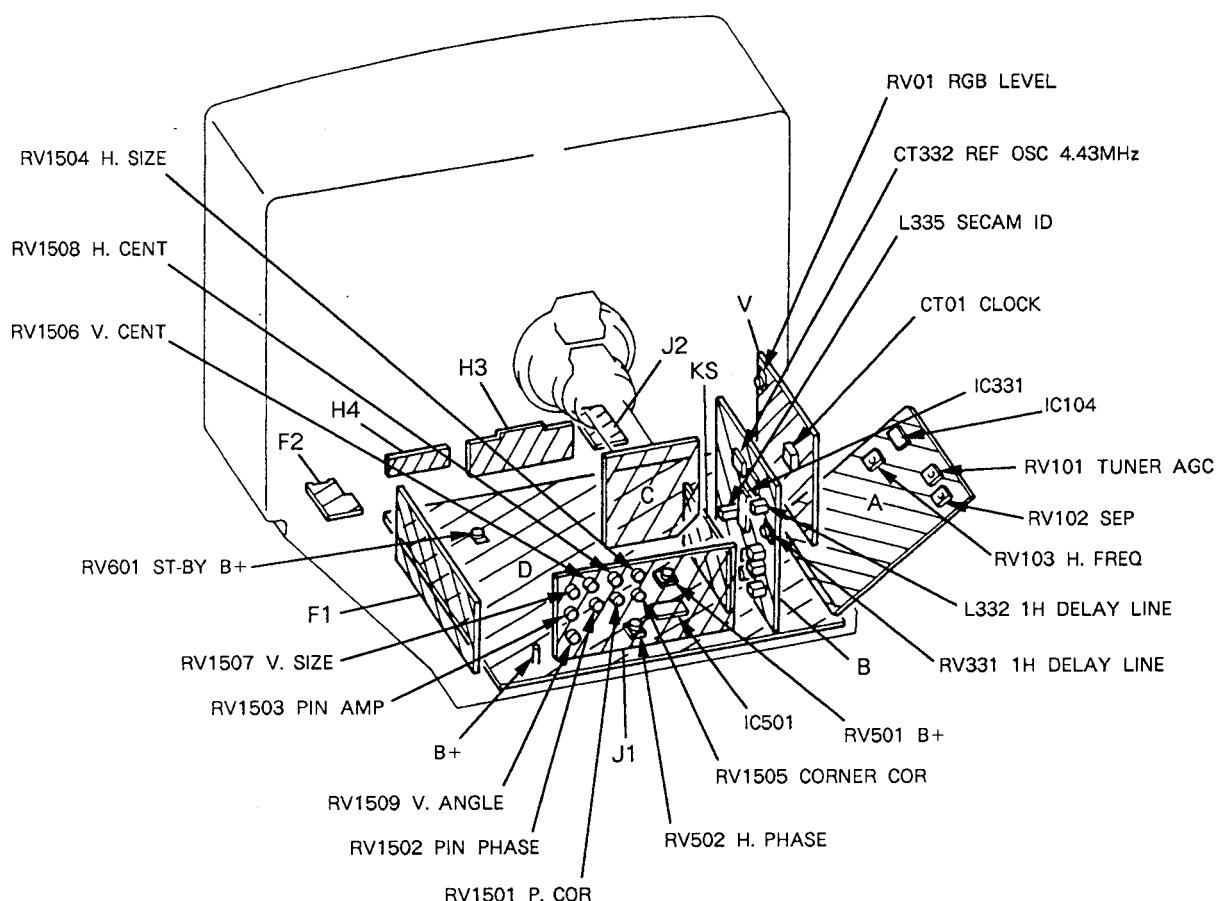
(White Balance Adjustment)

1. Input all-white signals from the pattern generator.
2. Adjust the BRIGHTNESS and COLOR controls to the standard level.
3. Adjust the white balance using RV704 (B DRIVE) and RV703 (G DRIVE).

In the following adjustments, the CONTRAST COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

SECTION 4

CIRCUIT ADJUSTMENTS



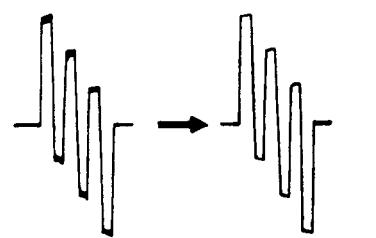
4-1. B BOARD ADJUSTMENTS

REF OSC Adjustment (CT332)

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑪ of IC331 and ground.
3. Adjust CT332 to obtain color synchronization.
4. Remove the jumper wire from IC331.

1H DELAY LINE Adjustment (L332, RV331)

1. Input a PAL COLOR BAR pattern.
2. Connect the oscilloscope to pin ③ (B-Y) of IC331 and observe the waveform of the H block on the oscilloscope.
3. Adjust L332 to minimize the double waveform outline.

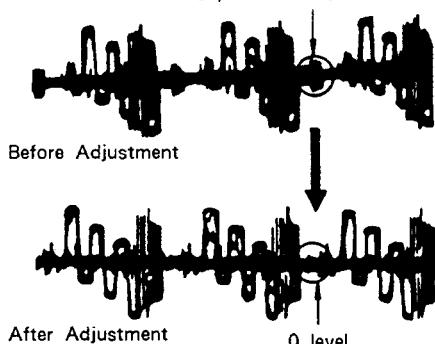


Before Adjustment

After Adjustment

4. Input a PAL TEST COLOR BAR pattern.
5. Rotate the RV331 VR and adjust till the ANTI-PAL part of the waveform matches the 0 level.

This part matches the 0 level.



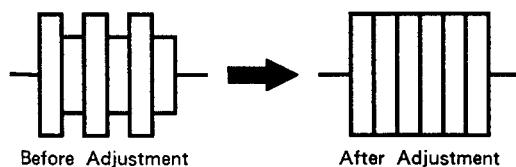
6. L332 and RV331 affect each other. So repeat till the conditions of both are met.

SECAM ID Adjustment (L335)

1. Input a SECAM COLOR BAR pattern.
2. Connect a Digital Multimeter to pin ⑩ of IC331.
3. Adjust L335 so that the indicator goes up to the maximum.

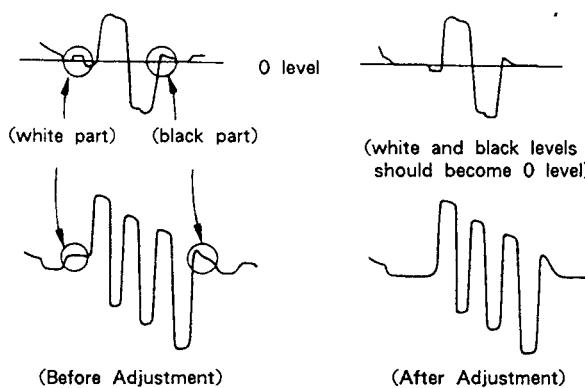
BELL FILTER Adjustment (T331)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to the Q335 emitter.
3. Adjust T331 so that the waveform becomes flat.



SECAM DISCRI Adjustment (L333, L334)

1. Input a SECAM COLOR BAR pattern.
2. Connect an oscilloscope to pin ① of IC331.
3. Adjust L333 so that white and black parts of the waveform of pin ① becomes 0 level.
4. Connect an oscilloscope to pin ③ of IC331.
5. Adjust L334 so that white and black parts of the waveform of pin ③ becomes 0 level.



4-2. D BOARD ADJUSTMENTS

B+ Adjustment (RV501)

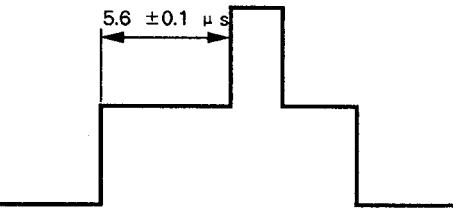
1. Connect a Digital Multimeter to TP91.
2. Adjust RV501 so that the voltage becomes 135 ± 0.2 V.

ST-BY B+ Adjustment (RV601)

1. Set up \odot standby (Remote Commander) mode.
2. Connect the Digital Multimeter to TP91.
3. Adjust RV601 so that the voltage becomes 135 ± 3 V.
4. Release the \odot standby (Remote Commander) mode.

H. PHASE Adjustment (RV502)

1. Input a PAL TEST COLOR BAR pattern.
2. Set the CONTRAST and BRIGHTNESS controls to the standard positions.
3. Set RV1508 (H. CENT) to the mechanical center position.
4. Connect an oscilloscope to pin ⑪ (SPC OUT) of IC501.
5. Rotate RV502 and adjust Block T to 5.6 ± 0.1 μ s.



4-3. A BOARD ADJUSTMENTS

TUNER AGC Adjustment (RV101)

1. Tune in an off-air signal.
2. Adjust RV101 so that snow-noise and cross-modulation just disappear from the picture.

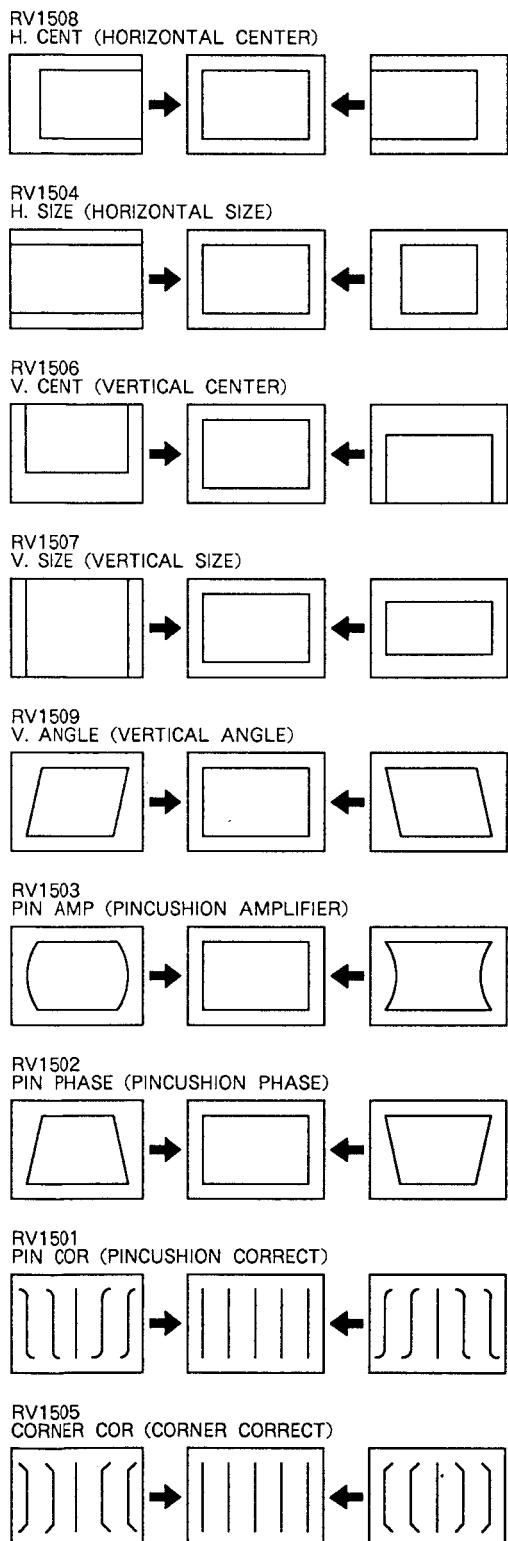
STEREO SEPARATION Adjustment (RV102)

1. Input stereo signals. (L-CH 1 kHz, R-CH 400 Hz)
2. Check the stereo indicator.
3. Connect an oscilloscope to pin ① (L) of CNA11 through band pass filter of 1 kHz.
4. Adjust RV102 so that 1 kHz voltage goes down to the minimum.

H. FREQ Adjustment (RV103)

1. Input a PAL COLOR BAR pattern.
2. Short circuit between pin ⑫ of IC104 and ground.
3. Connect a frequency counter to pin ⑥ of IC104 through a probe of 10 : 1.
4. Adjust RV103 so that H. frequency becomes $15,625 \pm 50$ Hz.

4-4. J1 BOARD ADJUSTMENTS



4-5. V BOARD ADJUSTMENTS

Clock Adjustment (CT01)

1. Disconnect the V-1 connector.
2. Set up the TELE TEXT mode.
3. Adjust CT01 to stop pictures from scrolling.

RGB Level Adjustment (RV01)

1. Set PICTURE to maximum.
2. Adjust RV01 till the RGB output becomes 0.75 V.

4-6. SUB ADJUSTMENTS

SUB BRIGHTNESS Adjustment

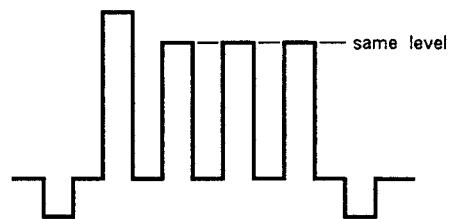
1. Receive and display a TEST COLOR BAR pattern.
2. Push $\rightarrow \leftarrow$ on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button (S1414). (SUB mode is invoked.)
5. Reduce the \odot CONTRAST to the minimum level.
6. Adjust the \odot BRIGHTNESS control until the 0 IRE of the gray scale becomes completely cut off, and the 20 IRE becomes barely luminous.
7. Push the AFT button. (SUB mode is cleared)

Where no TEST COLOR BAR pattern is available.

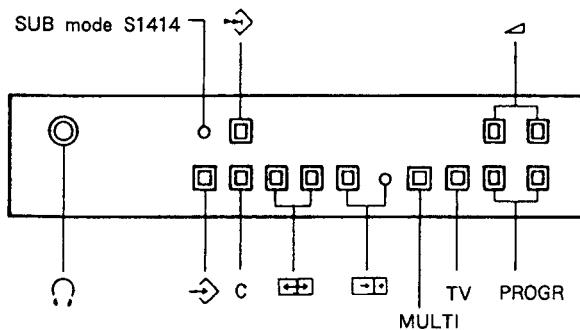
1. Display a COLOR BAR pattern.
2. Push $\rightarrow \leftarrow$ on the remote commander to invoke the normal state.
- Set the \odot COLOR to normal mode.
- Steps 3 – 5 are the same as above.
6. 20 IRE is close to blue, so adjust the \odot BRIGHTNESS control till blue is faintly luminous.
7. Same as Step 7 above.
8. Push $\rightarrow \leftarrow$ on the remote commander to invoke the normal state.
- * When Step 4 is executed correctly, S (SUB mode) is displayed at the upper right of the display. As S is displayed only for 30 seconds, perform the adjustment within 30 seconds, or repeat from Step 4.

SUB COLOR Adjustment

1. Display a COLOR BAR pattern.
2. Push $\rightarrow \leftarrow$ on the remote commander to invoke the normal state.
3. Turn off the power supply.
4. Turn on the power supply while pushing the SUB button (S1414). (SUB mode is invoked.)
5. Adjust the COLOR control until the B out (pin ② of CNC72 connector on C board) waveform becomes as shown below.
6. Push the AFT button. (SUB mode is cleared.)

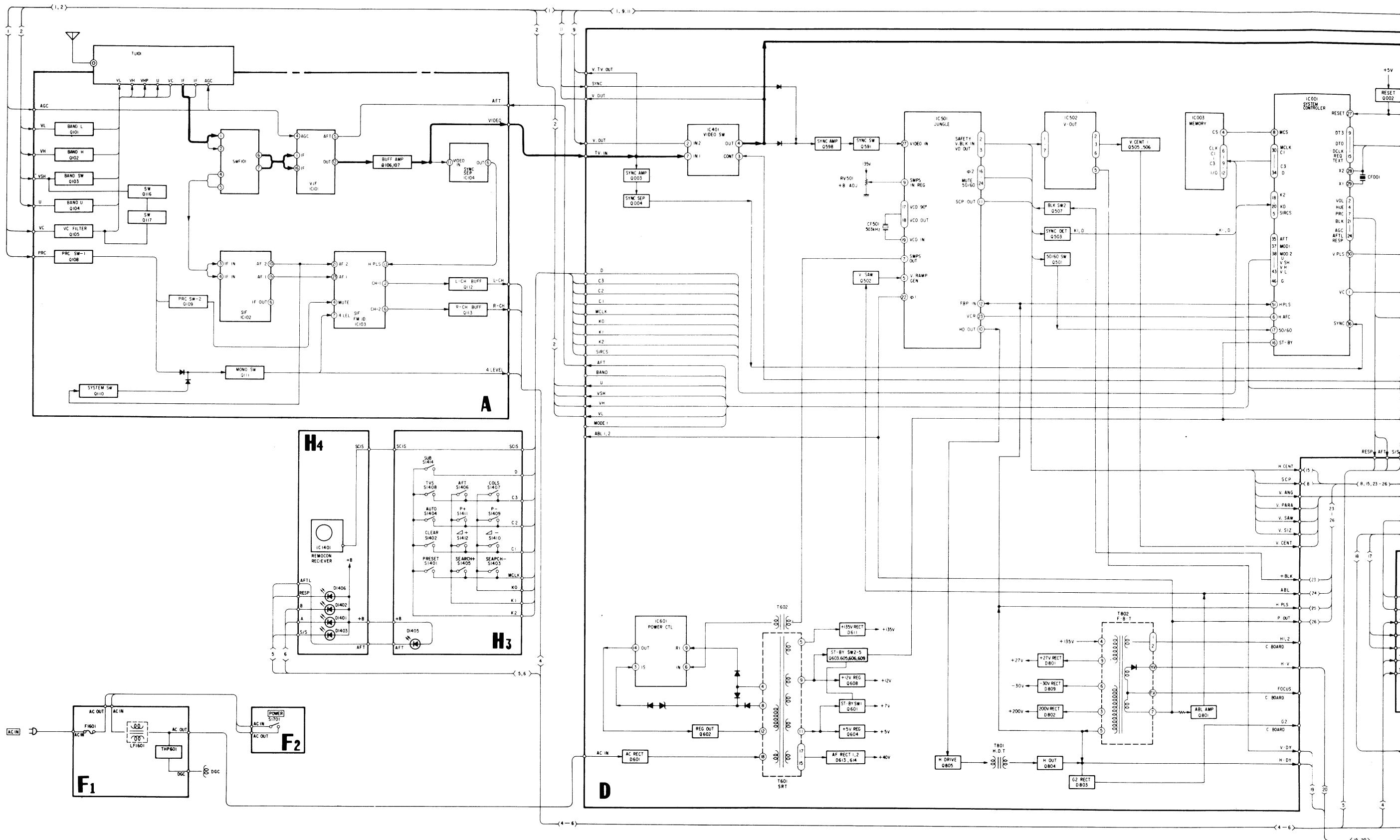


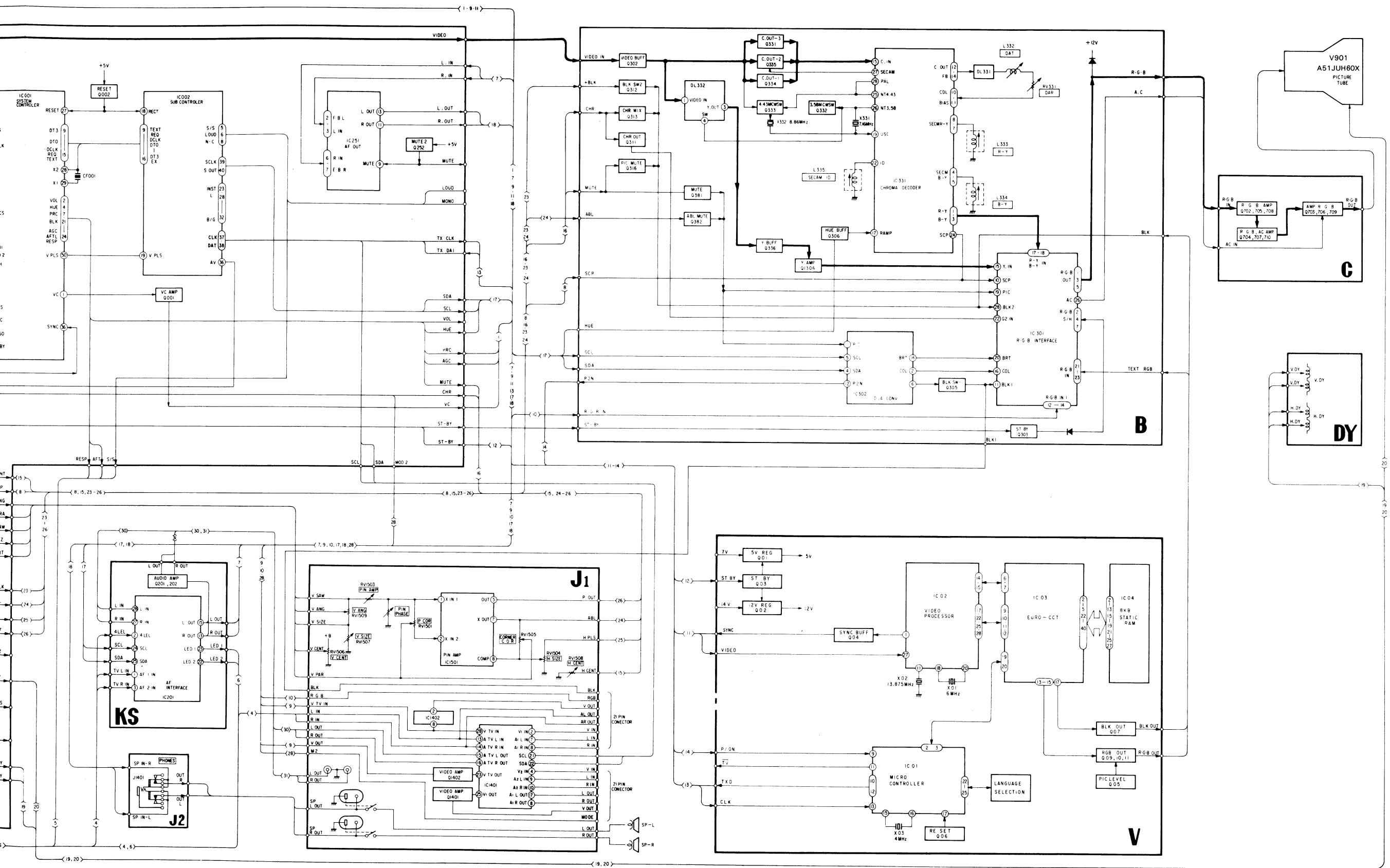
- * When Step 4 is executed correctly, S (SUB mode) is displayed at the upper right of the display. As S (SUB mode) is displayed only for 30 seconds, perform the adjustment with 30 seconds, or repeat from Step 4.



SECTION 5 DIAGRAMS

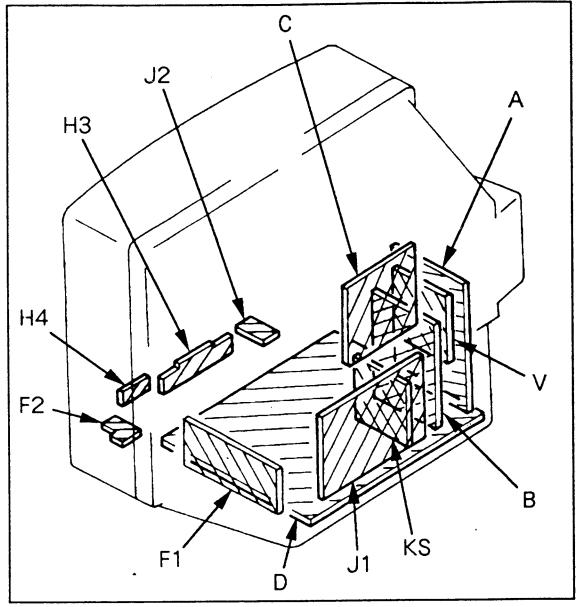
5-1. BLOCK DIAGRAM





5-3. SCHEMATIC DIAGRAMS

5-2. CIRCUIT BOARDS LOCATION



Note :

- All capacitors are in μF unless otherwise noted.
PF : μF 50 WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

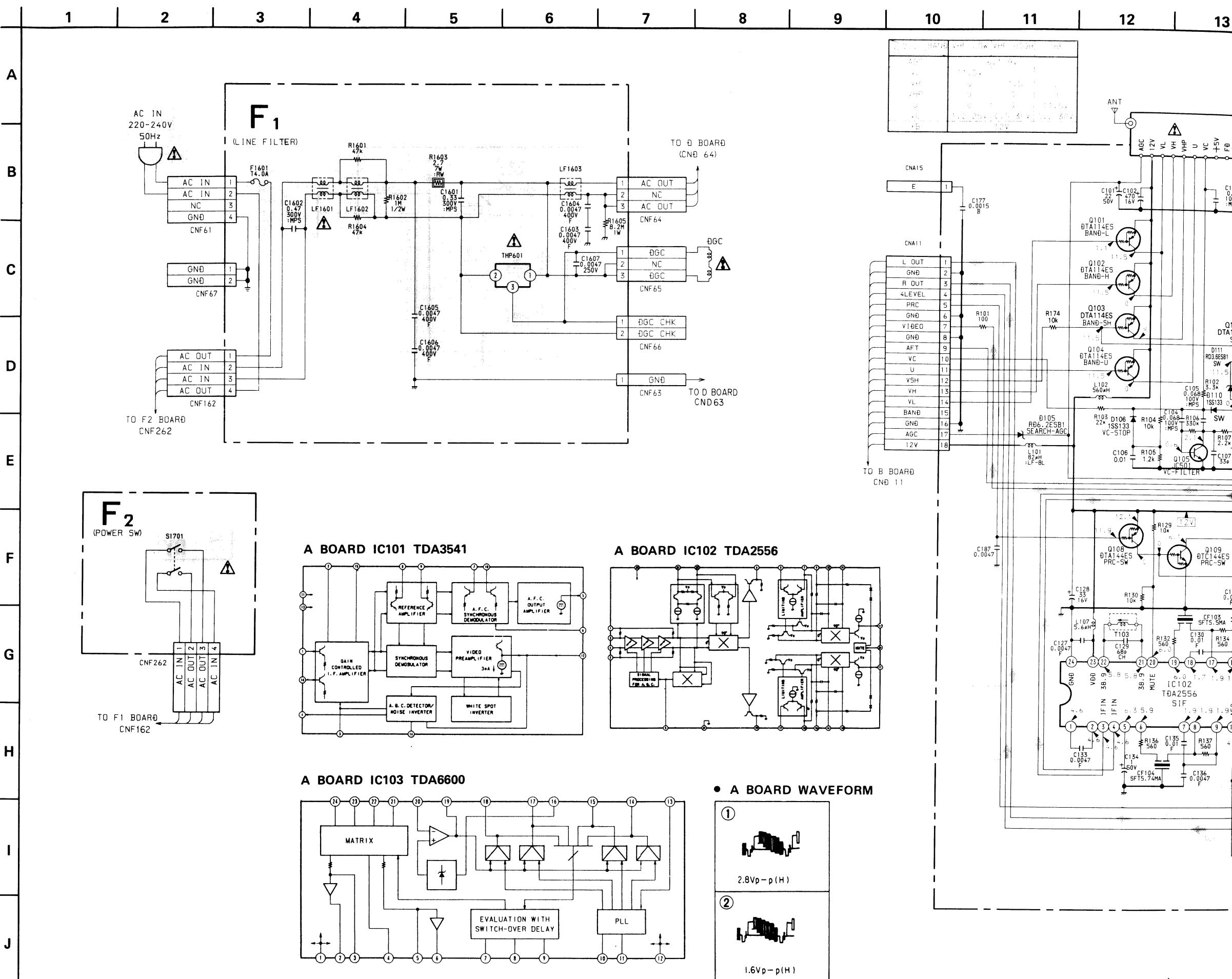
Pitch: 5 mm
Rating electrical power 1/4W

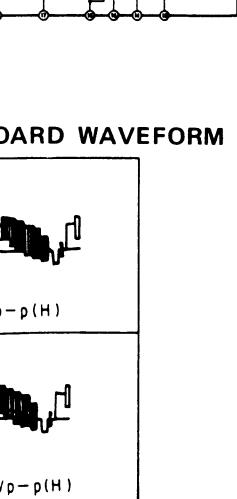
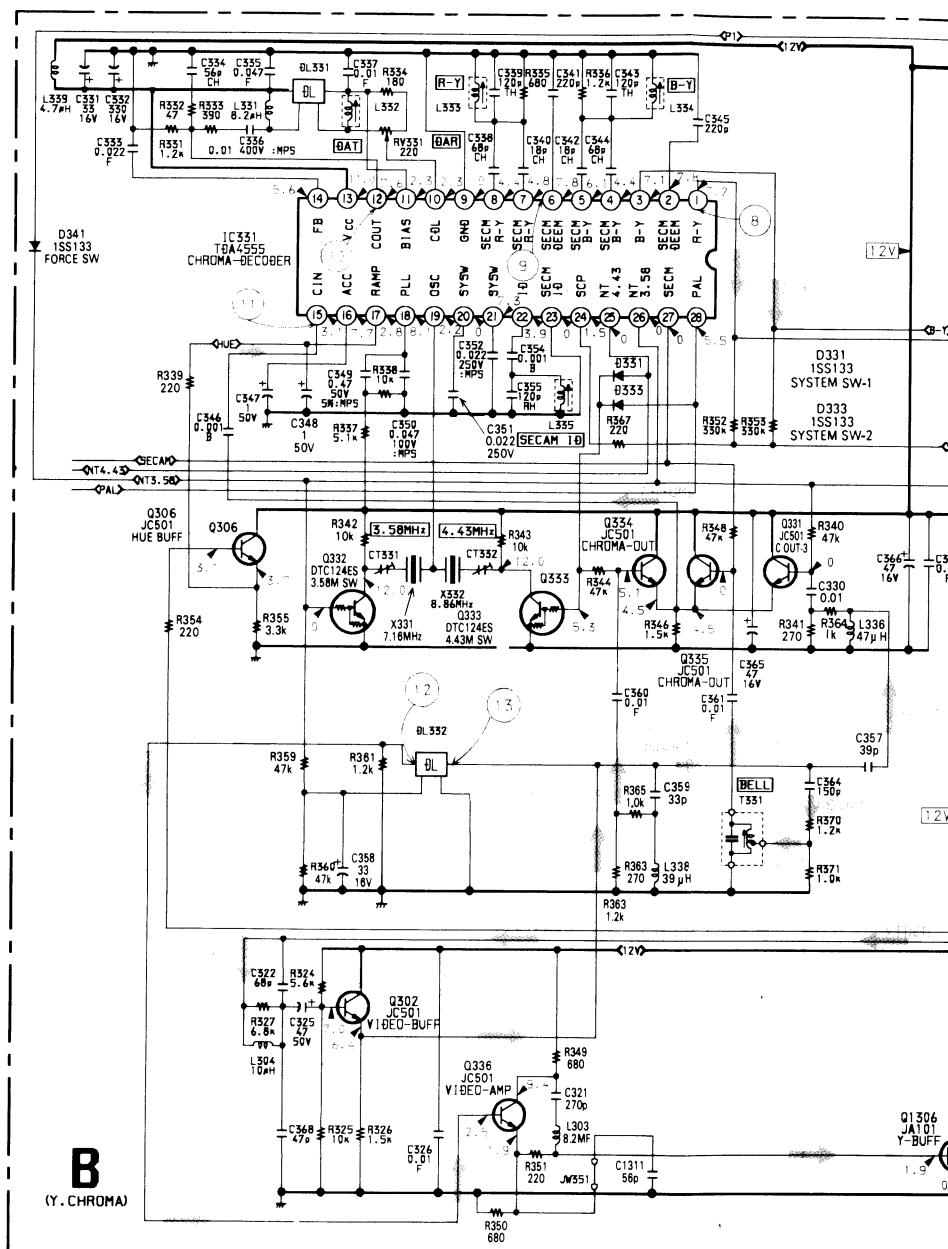
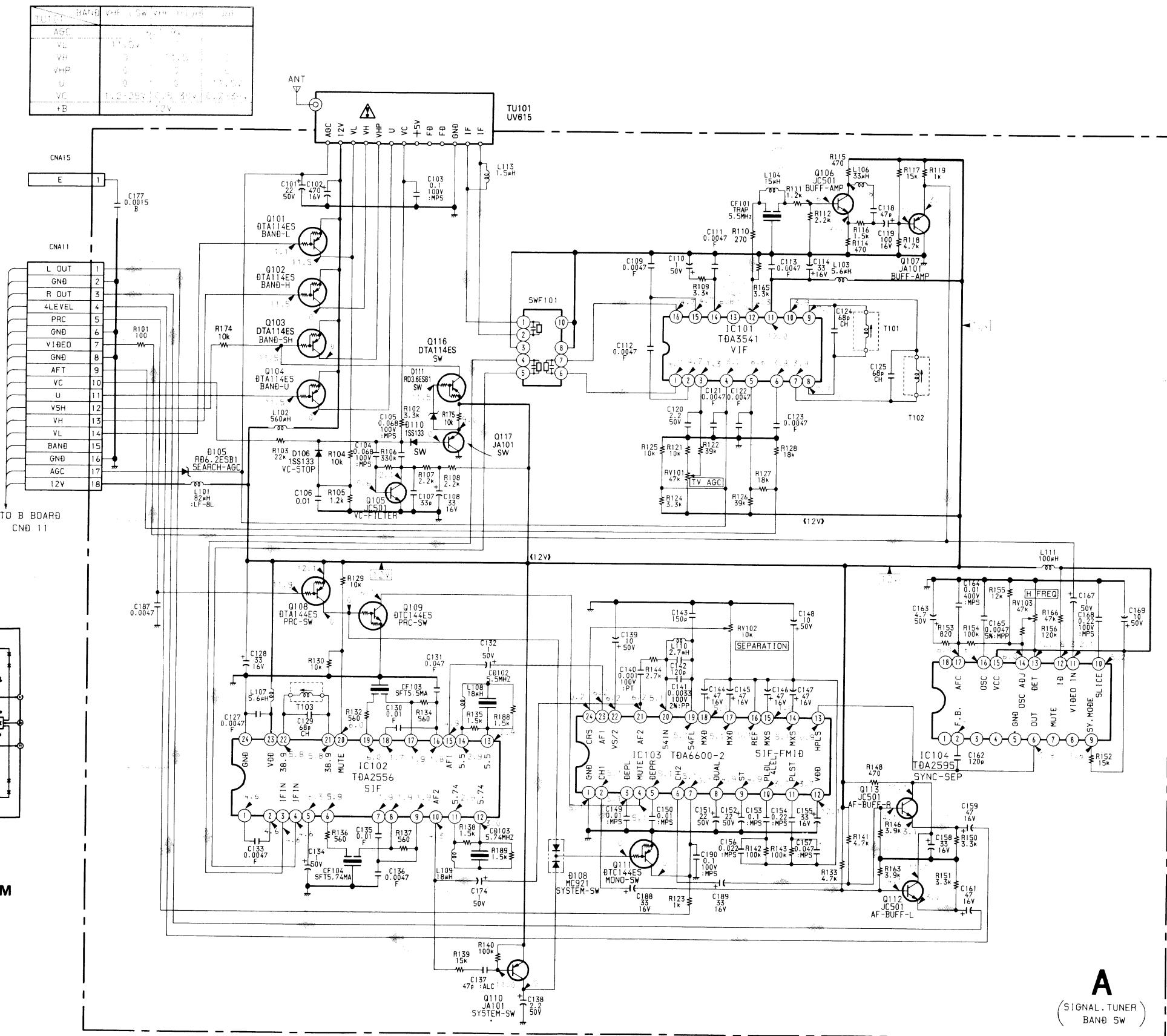
- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10 M Ω digital multimeter.
- Readings are taken with a PAL color-bar signal input.
- : adjustment for repair.
- Voltage variations may be noted due to normal production tolerance.
- : B+ bus.
- : B- bus.
- : signal path.

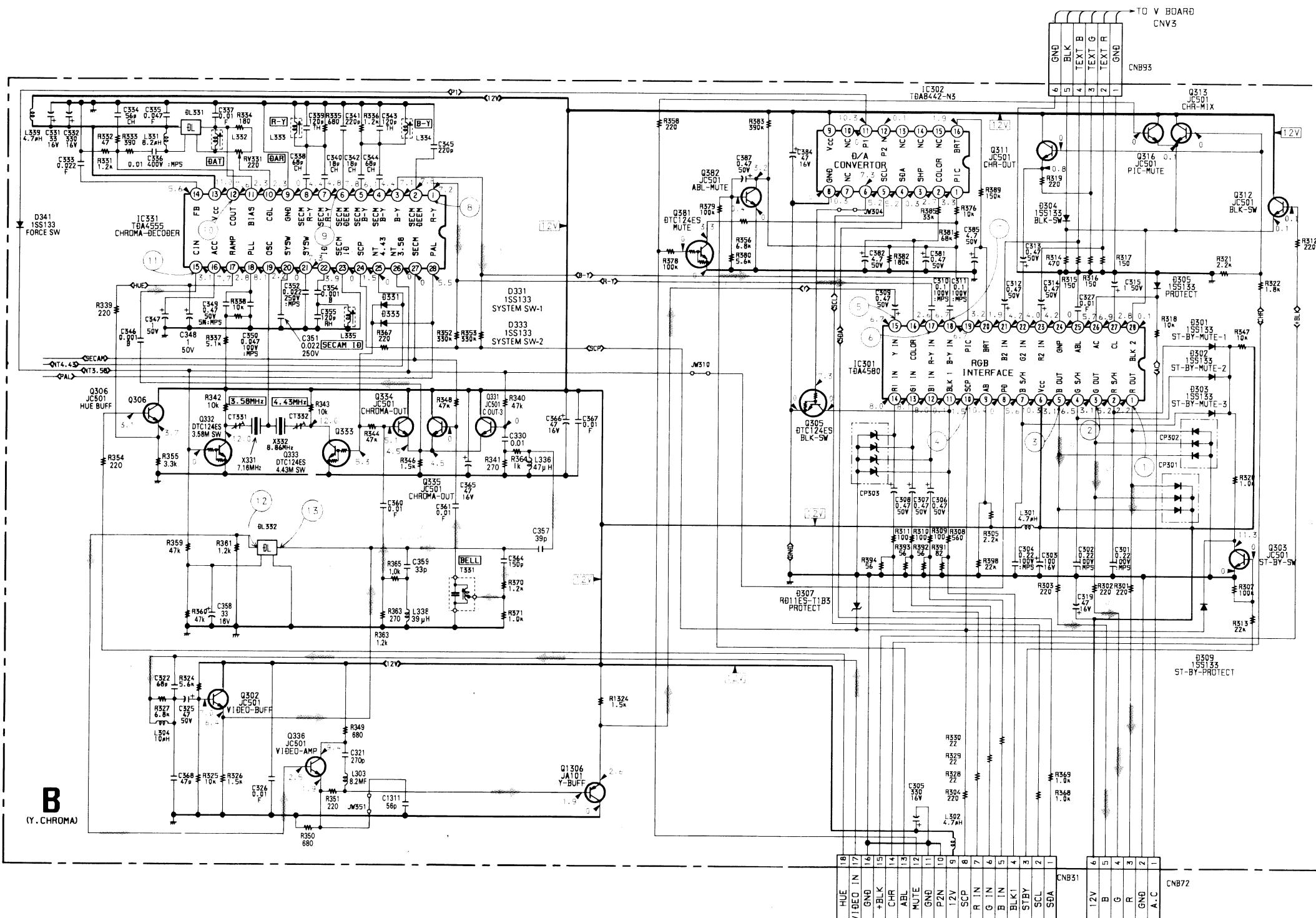
Reference information

RESISTOR	: RN METAL FILM
	: RC SOLID
	: FPRD NONFLAMMABLE CARBON
	: FUSE NONFLAMMABLE FUSIBLE
	: RW NONFLAMMABLE WIREWOUND
	: RS NONFLAMMABLE METAL OXIDE
	: RB NONFLAMMABLE CEMENT
COIL	: LF-8L MICRO INDUCTOR
CAPACITOR	: TA TANTALUM
	: PS STYROL
	: PP POLYPROPYLENE
	: PT MYLAR
	: MPS METALIZED POLYESTER
	: MPP METALIZED POLYPROPYLENE
	: ALB BIPOLAR
	: ALT HIGH TEMPERATURE
	: ALR HIGH RIPPLE

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.





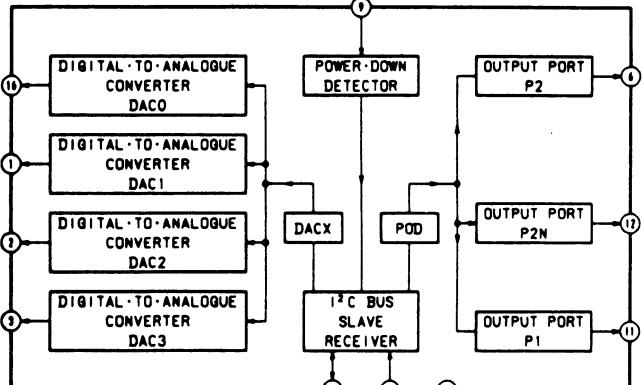


A
(SIGNAL.TUNER)
BAND SW

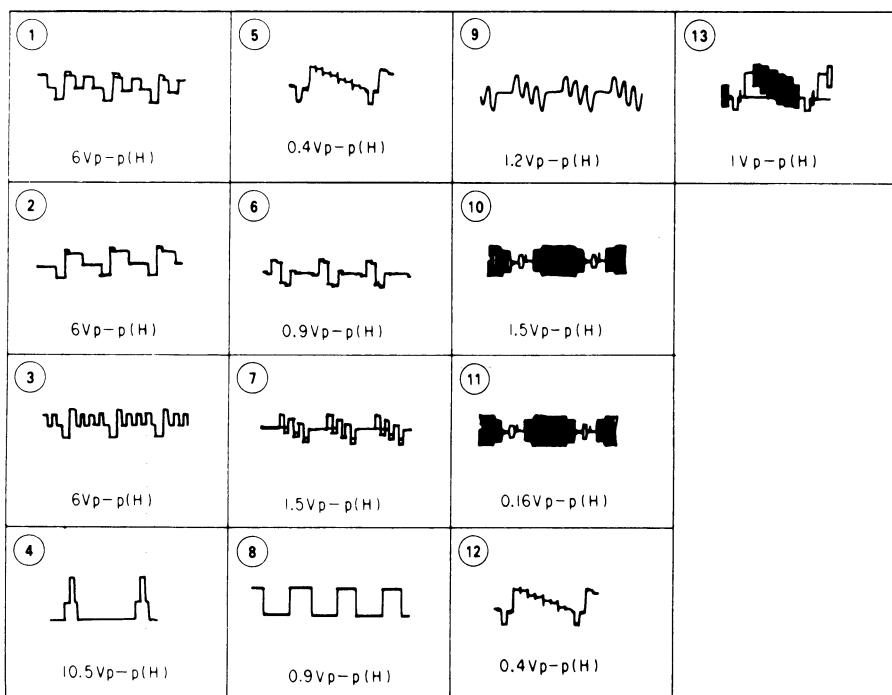
1 2 3 4 5 6 7 8 9 10 11

5-

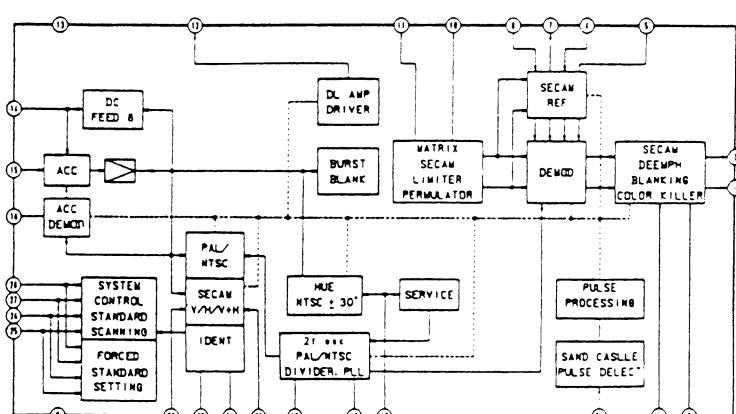
B BOARD IC302 TDA8442



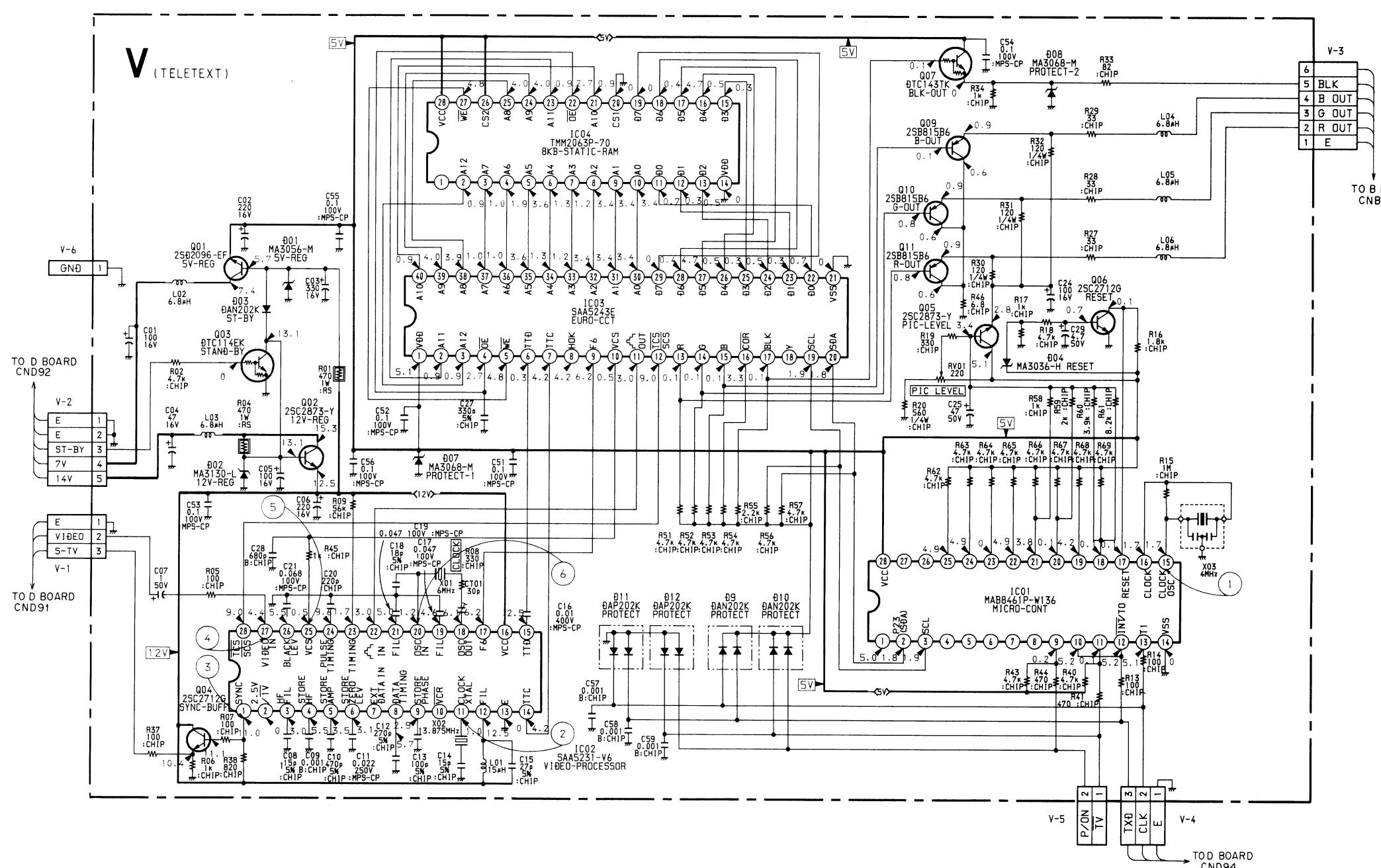
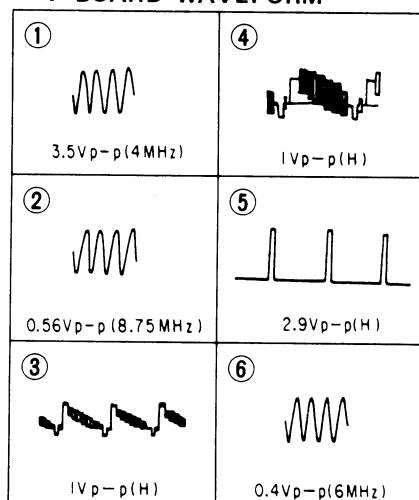
B BOARD WAVEFORM



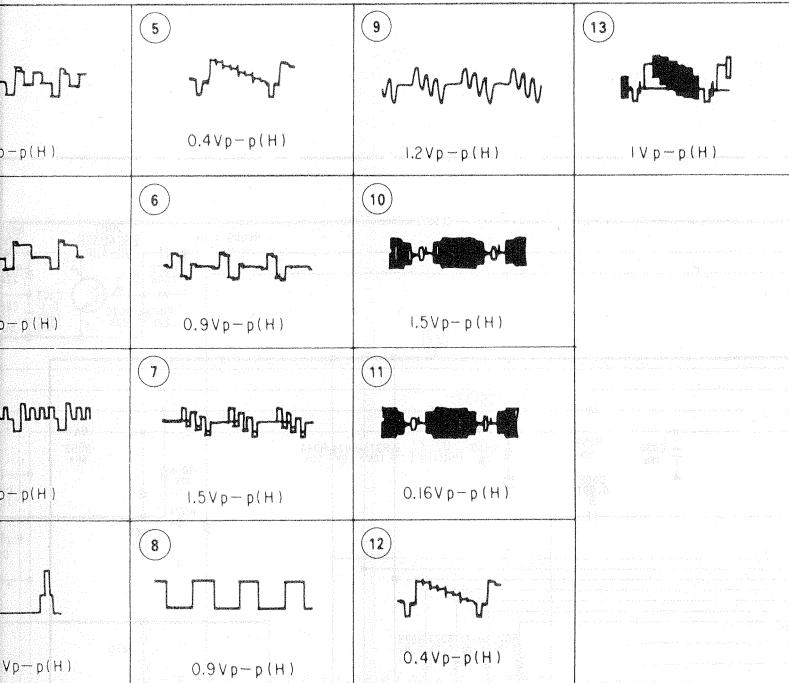
B BOARD IC331 TDA4555



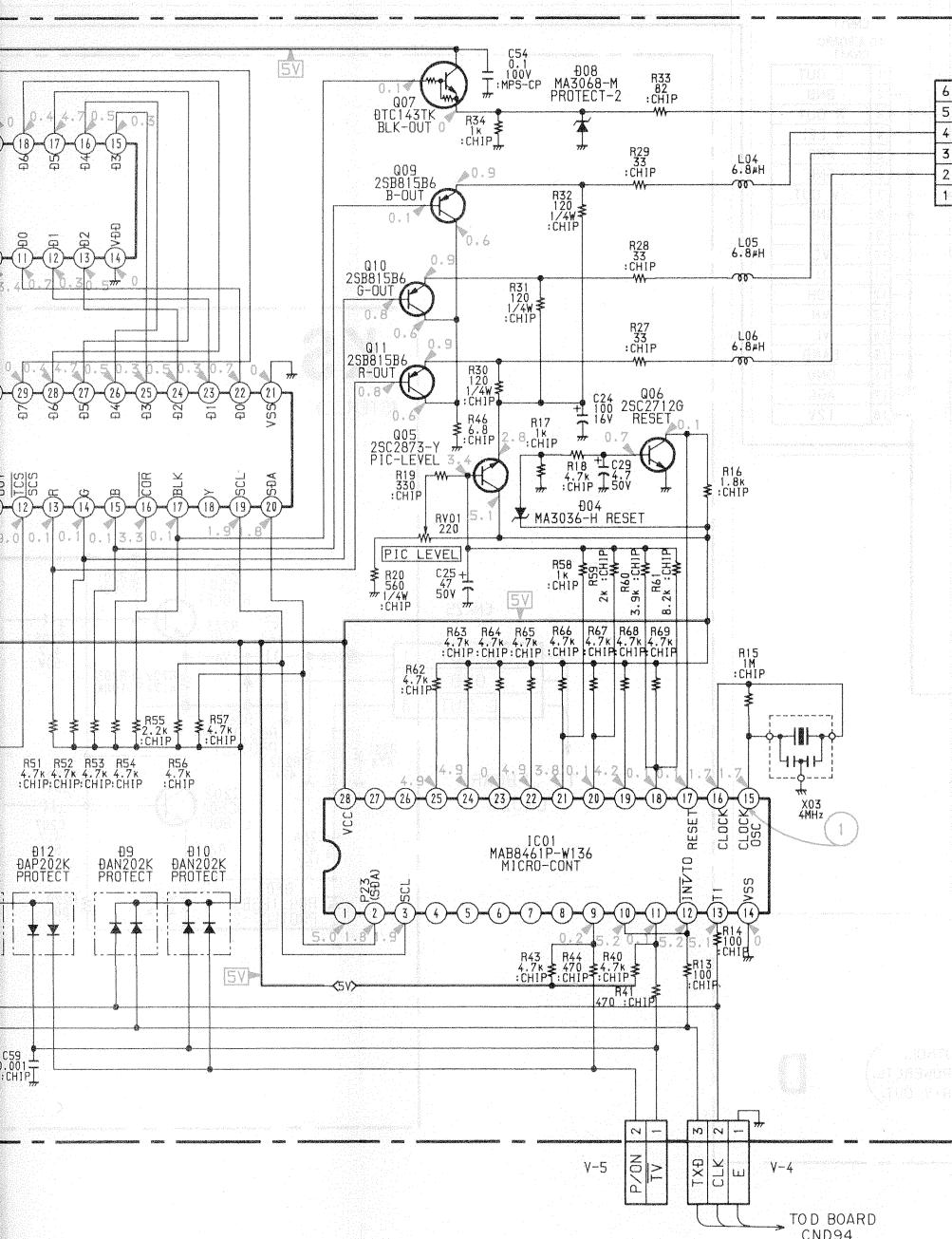
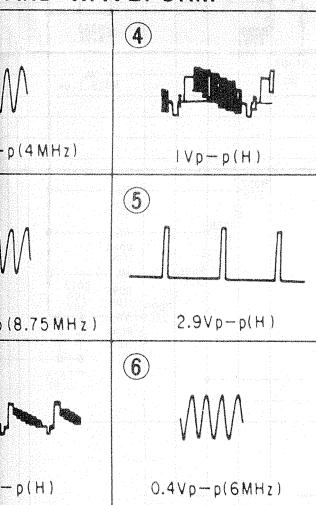
V BOARD WAVEFORM



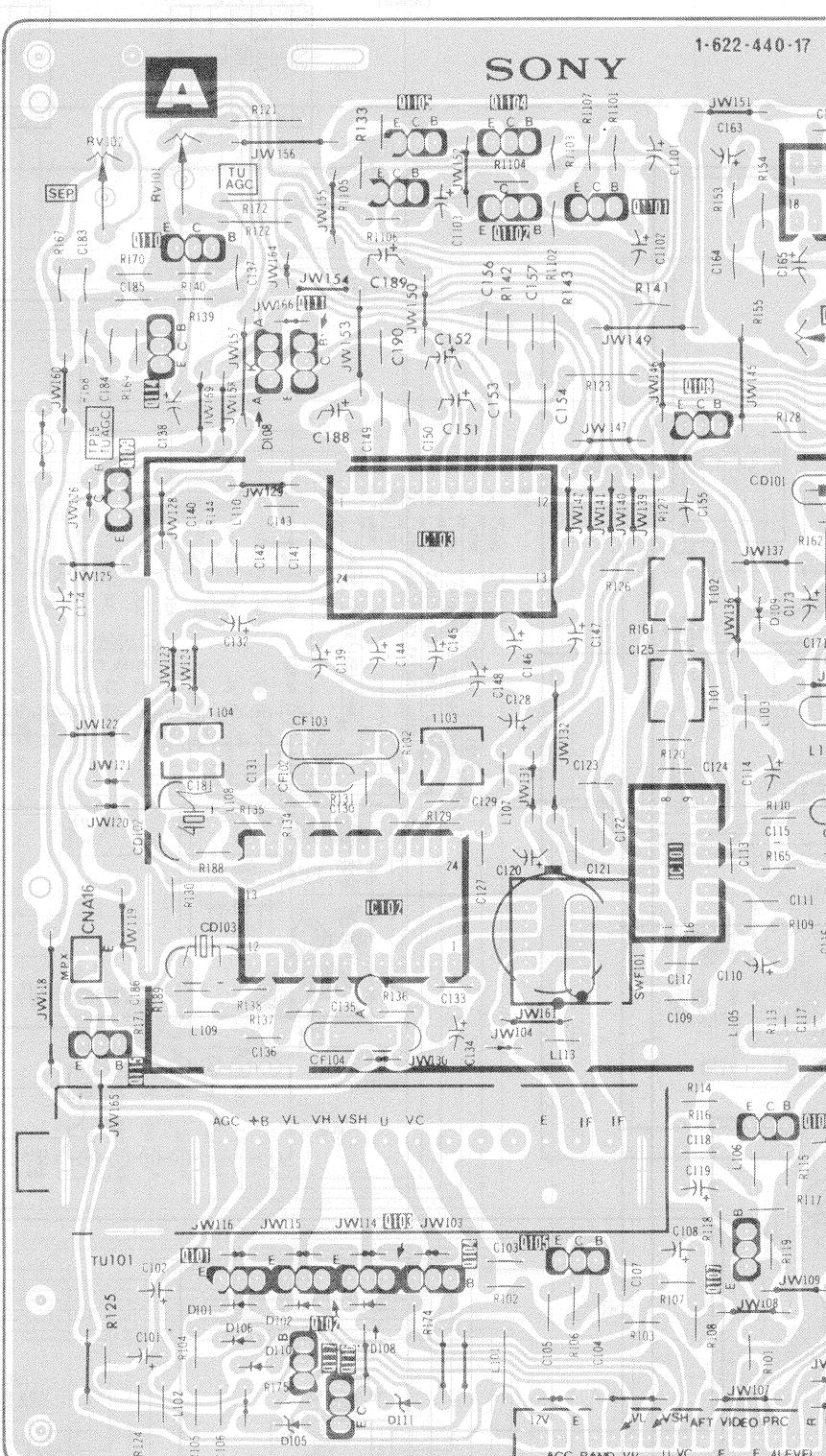
STANDARD WAVEFORM



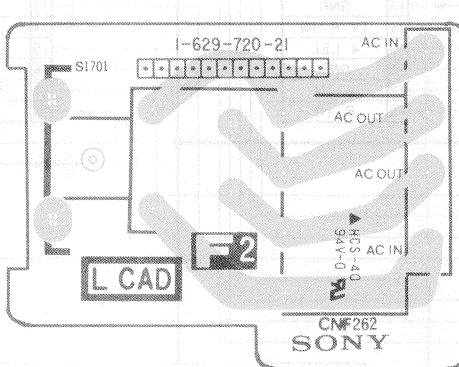
STANDARD WAVEFORM

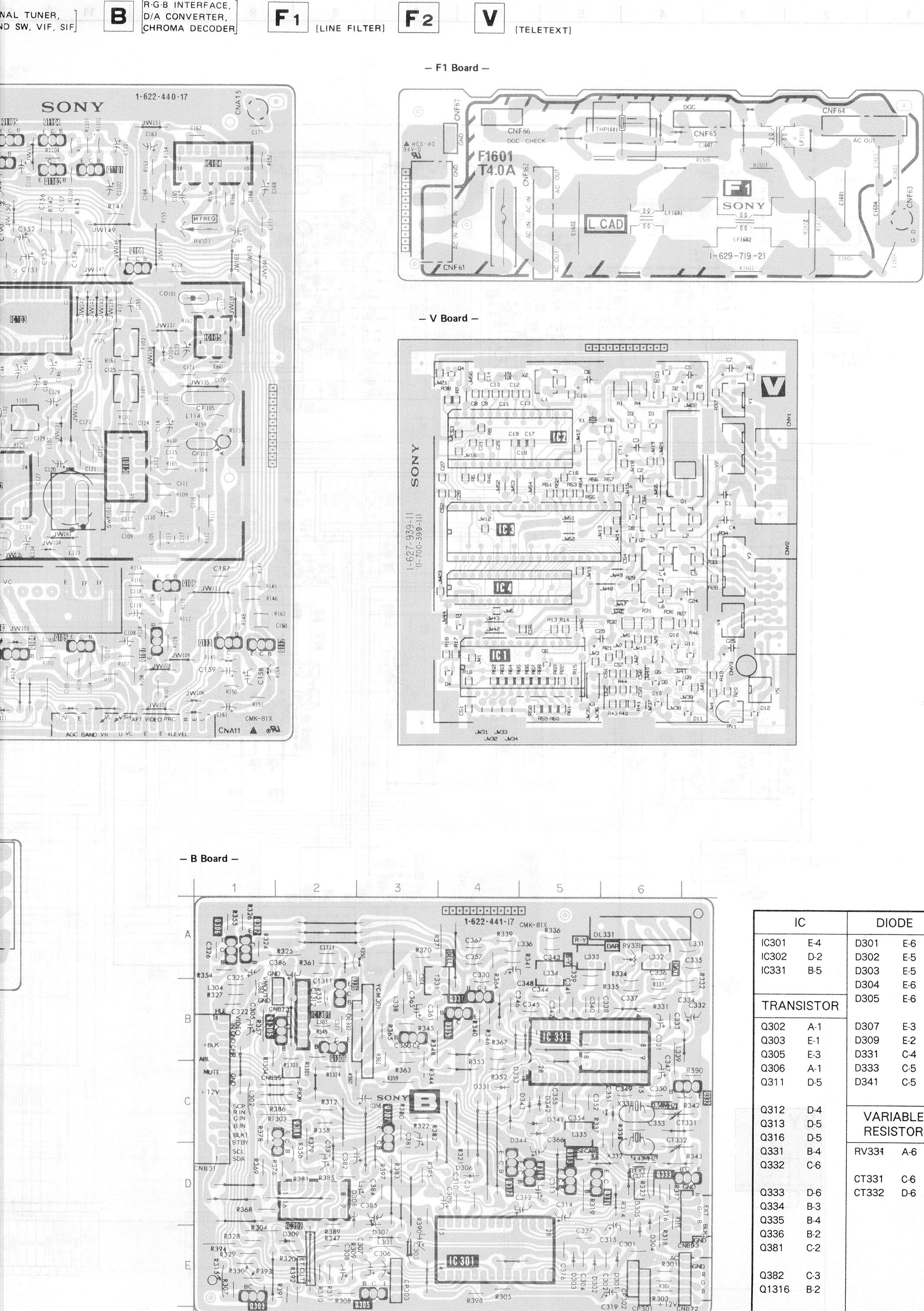


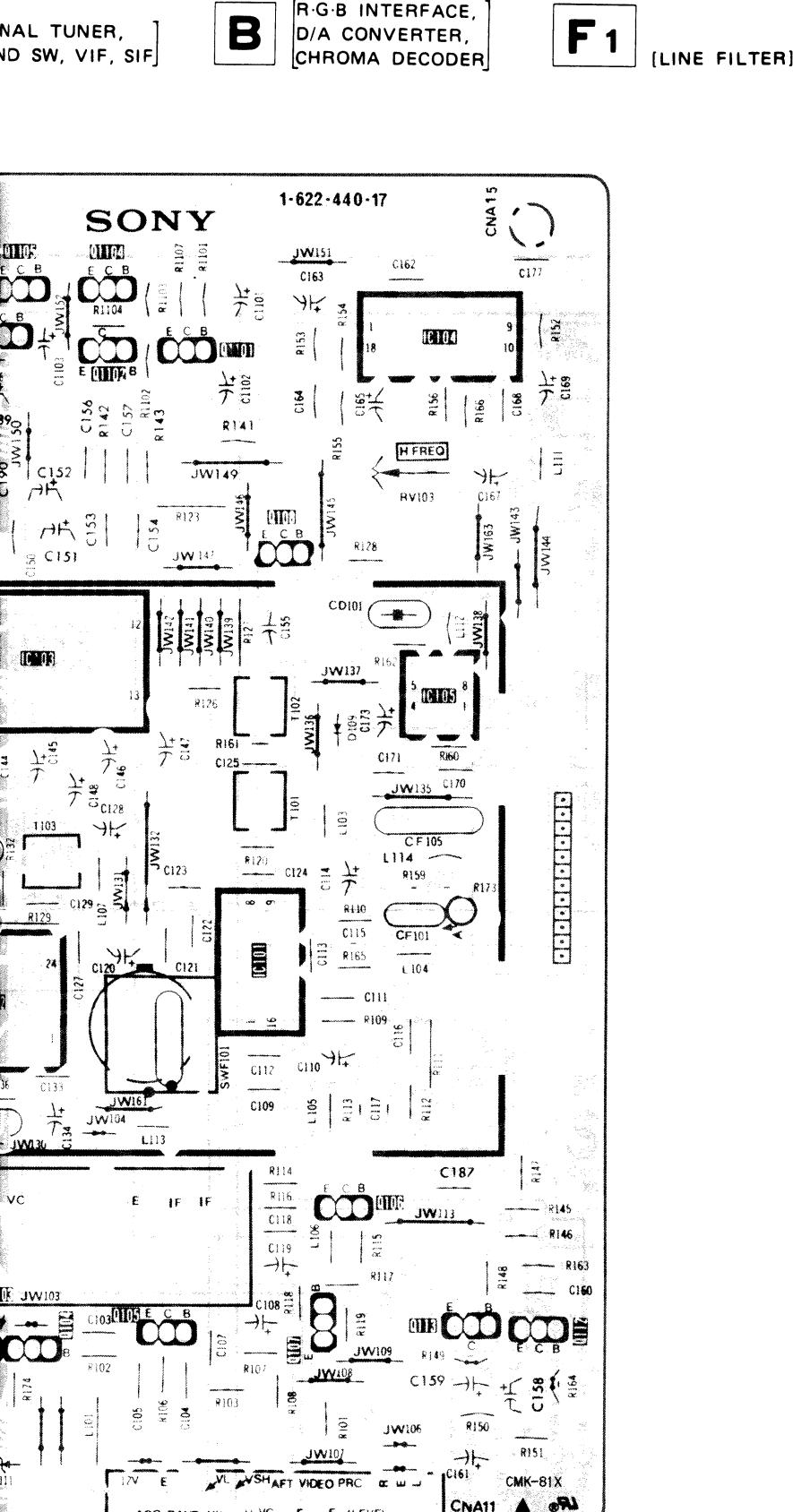
- A Board -



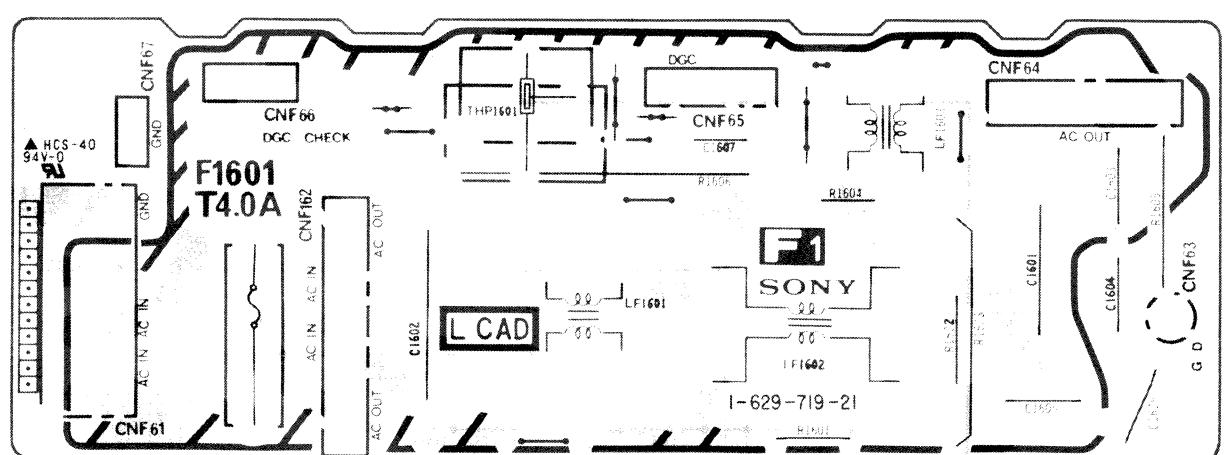
- E2 Board -



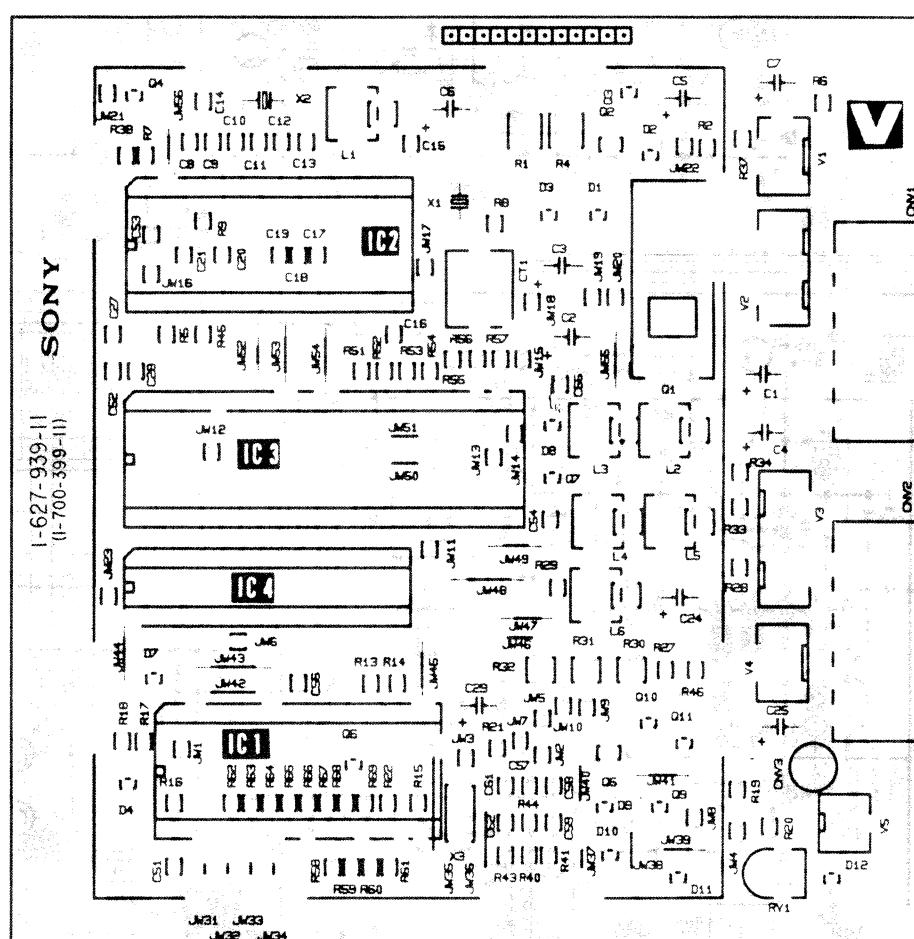




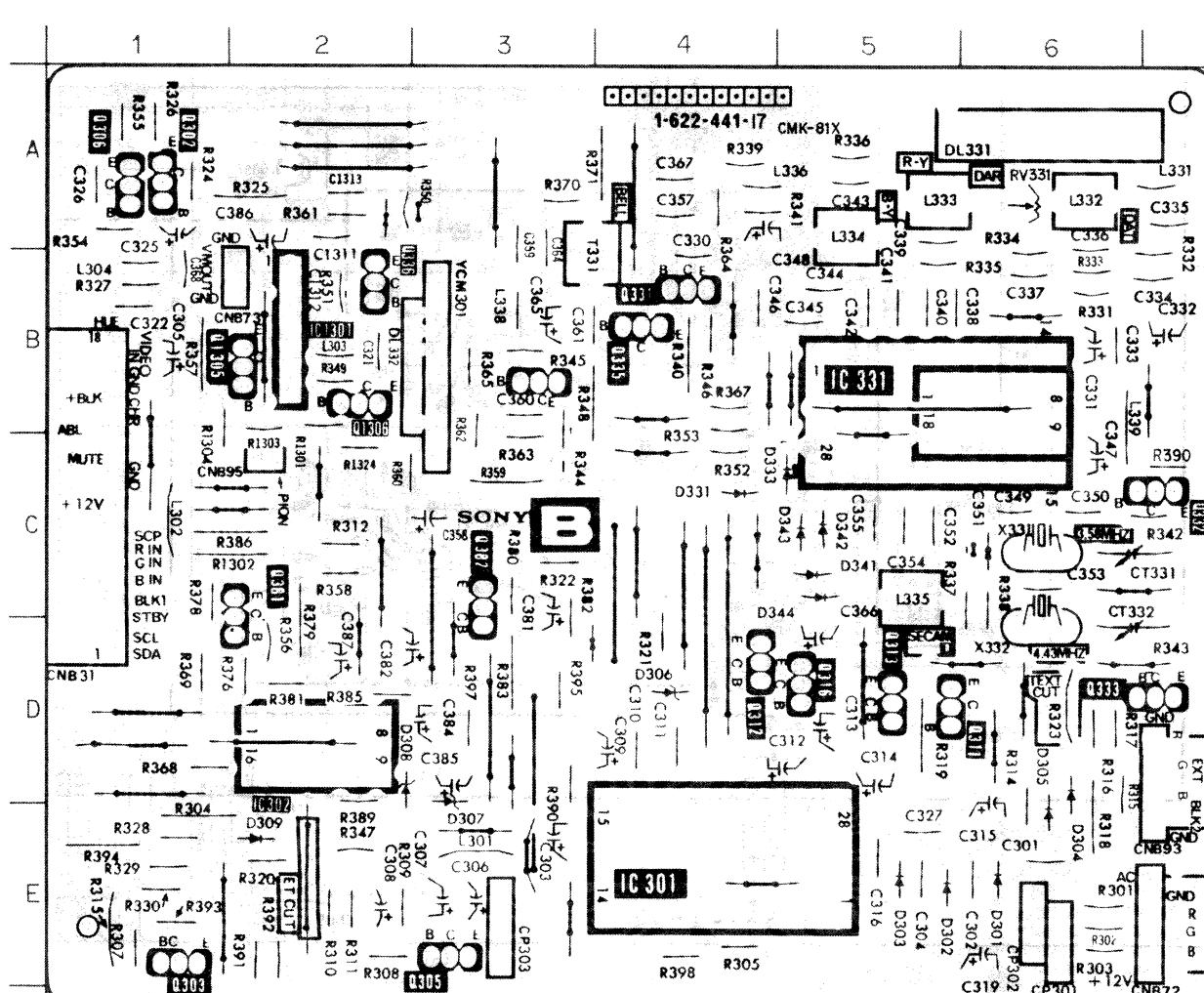
– F1 Board –



- V Board -

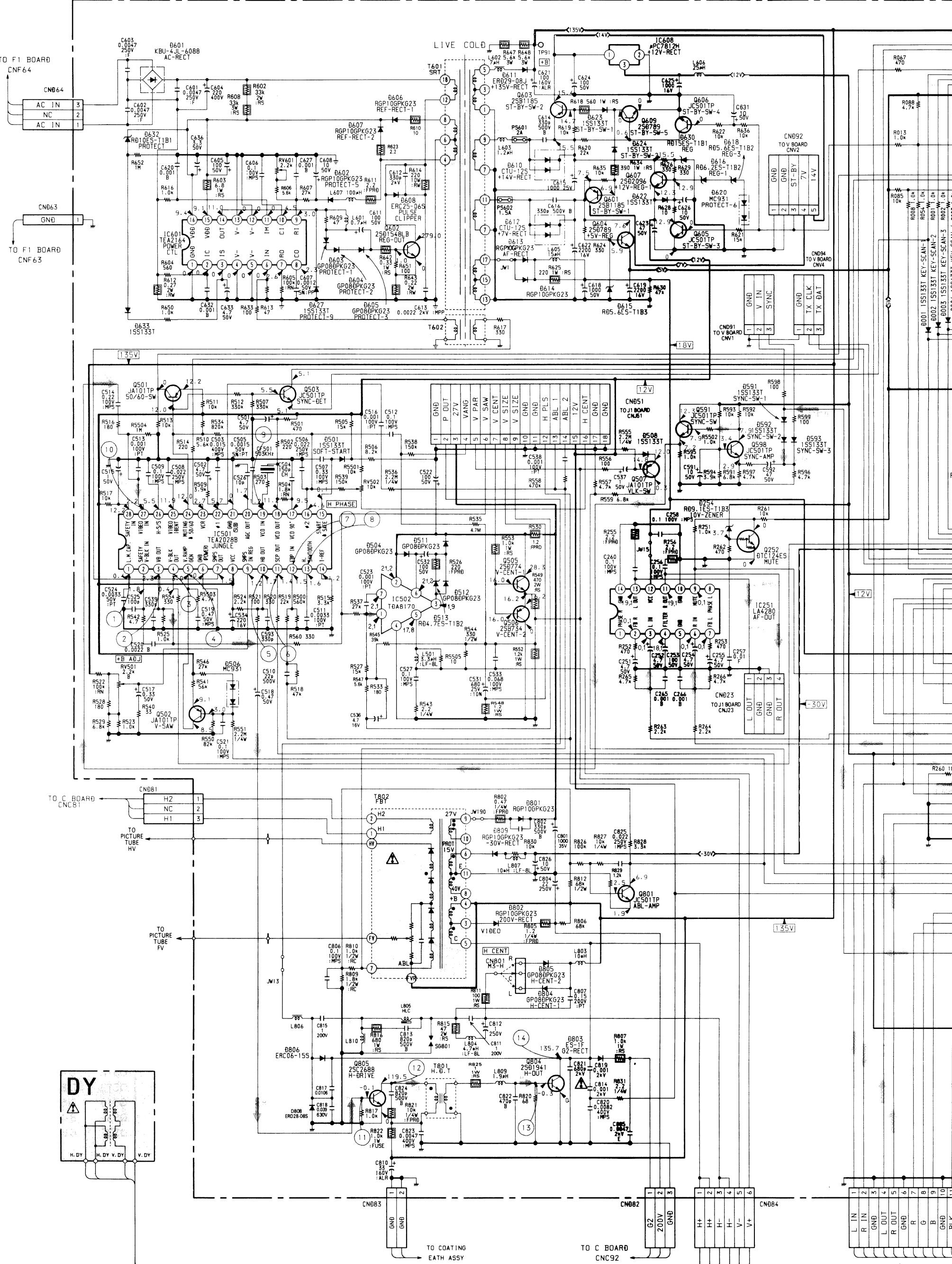


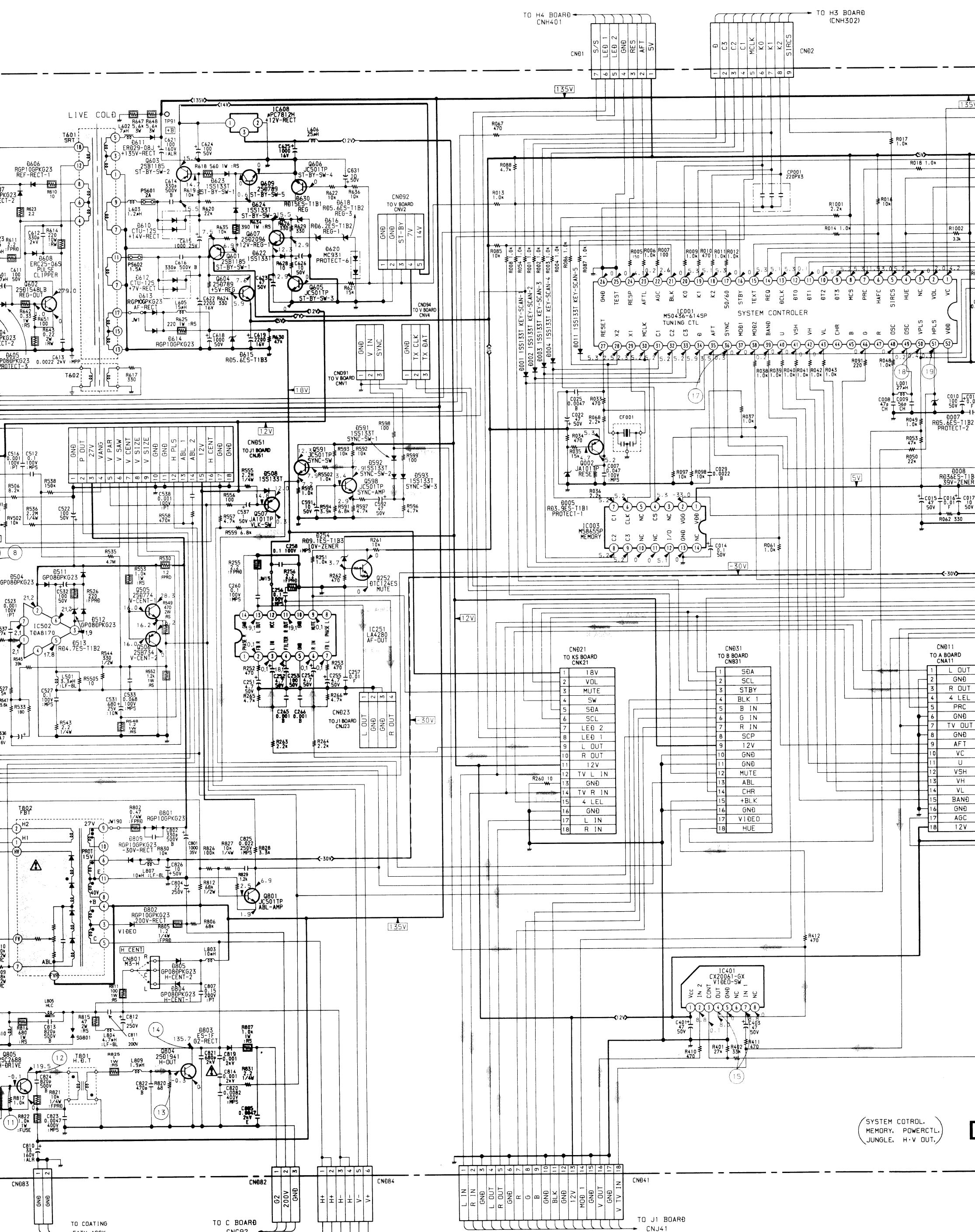
B Board



IC		DIODE	
IC301	E-4	D301	E-6
IC302	D-2	D302	E-5
IC331	B-5	D303	E-5
TRANSISTOR		D304	E-6
		D305	E-6
Q302	A-1	D307	E-3
Q303	E-1	D309	E-2
Q305	E-3	D331	C-4
Q306	A-1	D333	C-5
Q311	D-5	D341	C-5
Q312	D-4	VARIABLE RESISTOR	
Q313	D-5	RV331	
Q316	D-5	A-6	
Q331	B-4	CT331	
Q332	C-6	C-6	
Q333	D-6	CT332	
Q334	B-3	D-6	
Q335	B-4		
Q336	B-2		
Q381	C-2		
Q382	C-3		
Q1316	B-2		

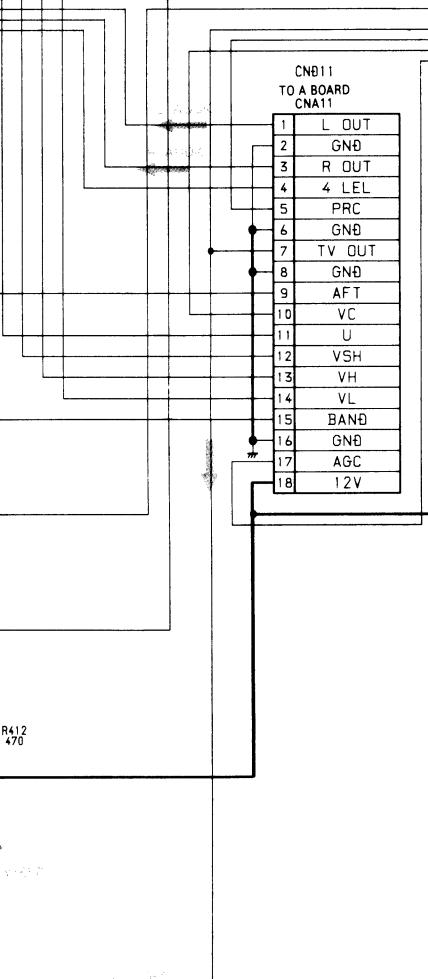
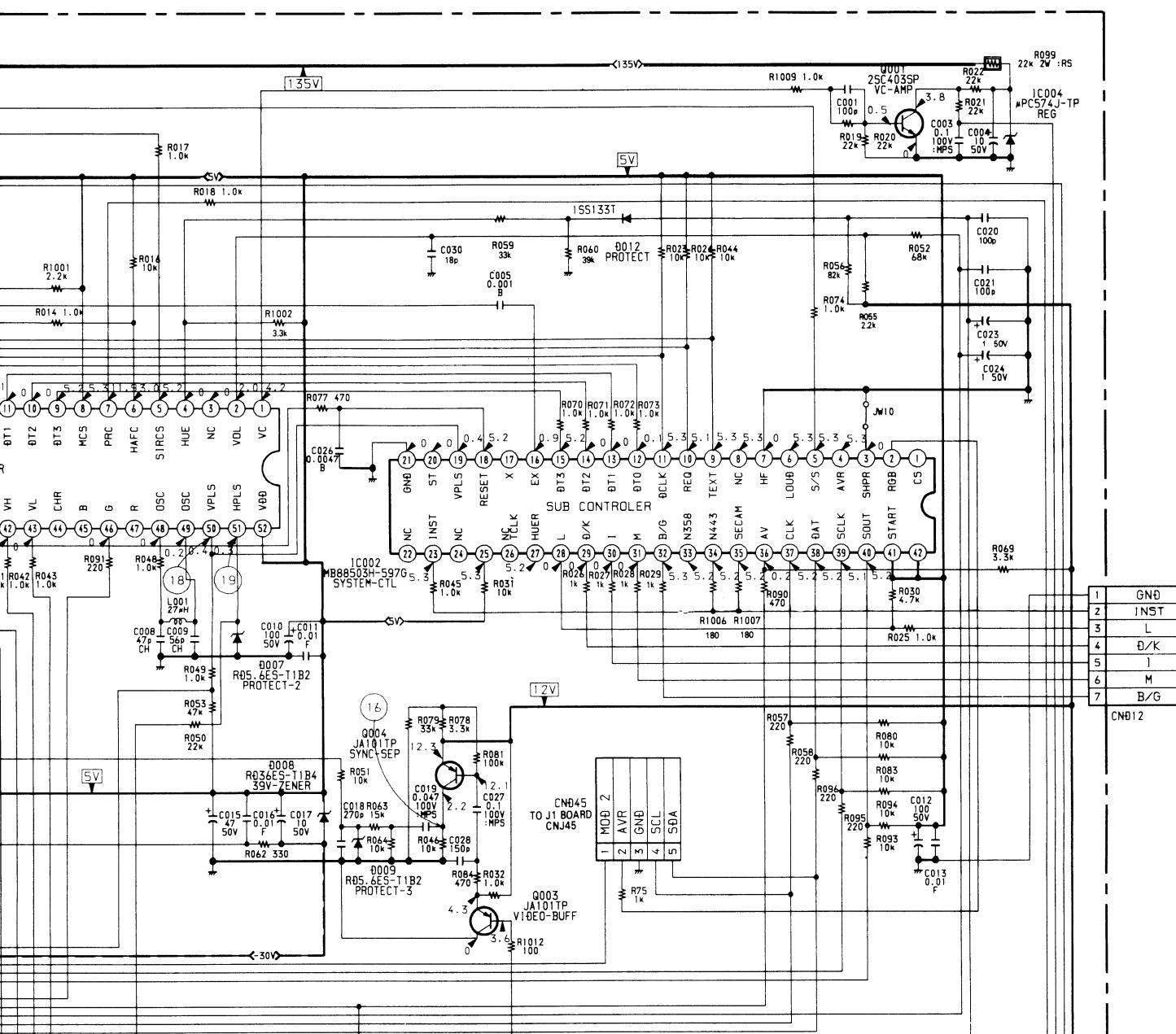
1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12





→ TO H3 BOARD
(CNH302)

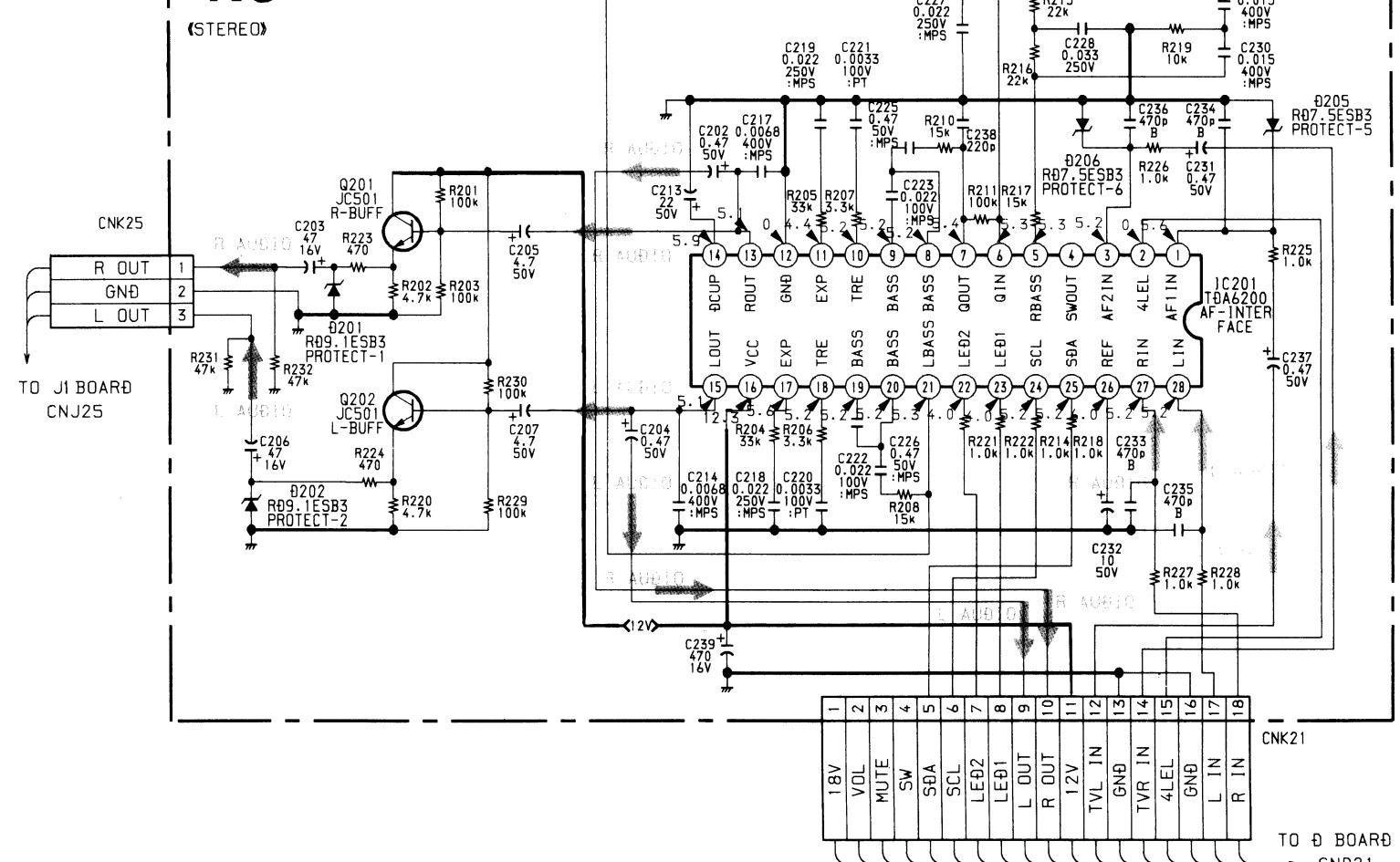
NB2



(SYSTEM COTROL,
MEMORY, POWERCTL,
JUNGLE, H-V OUT.)

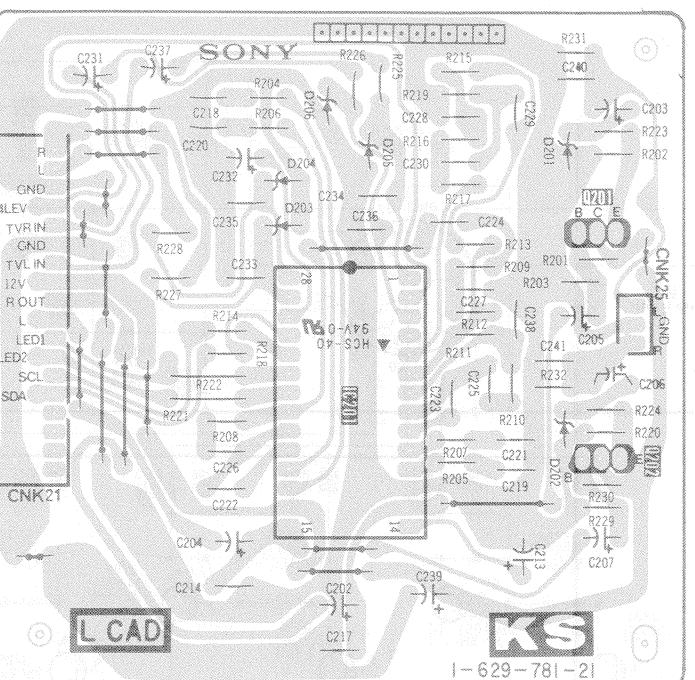
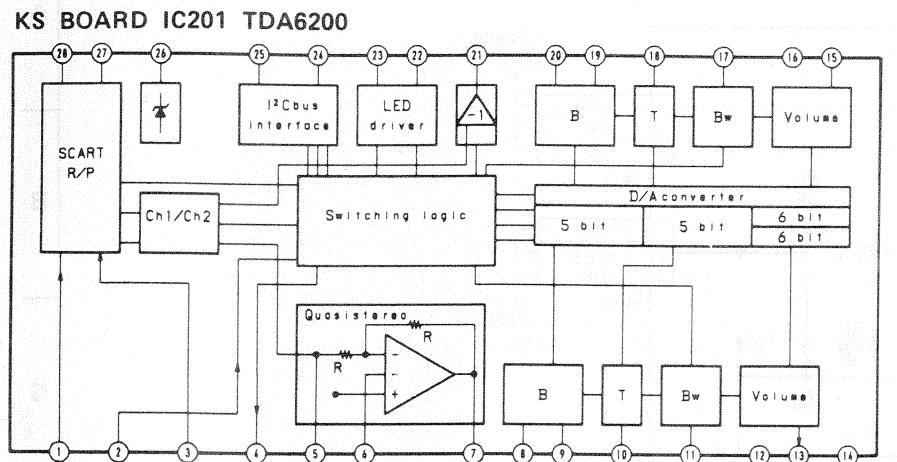
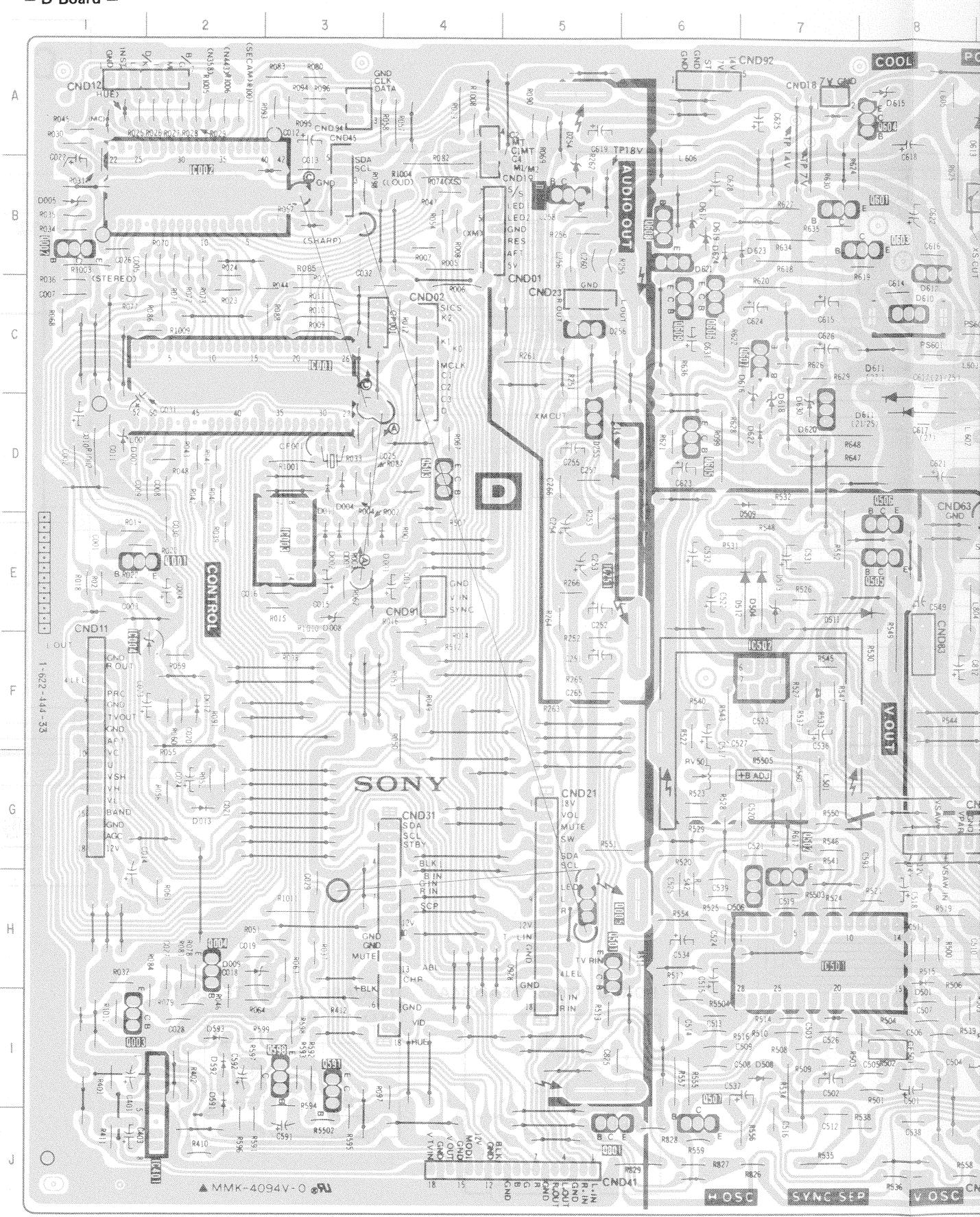
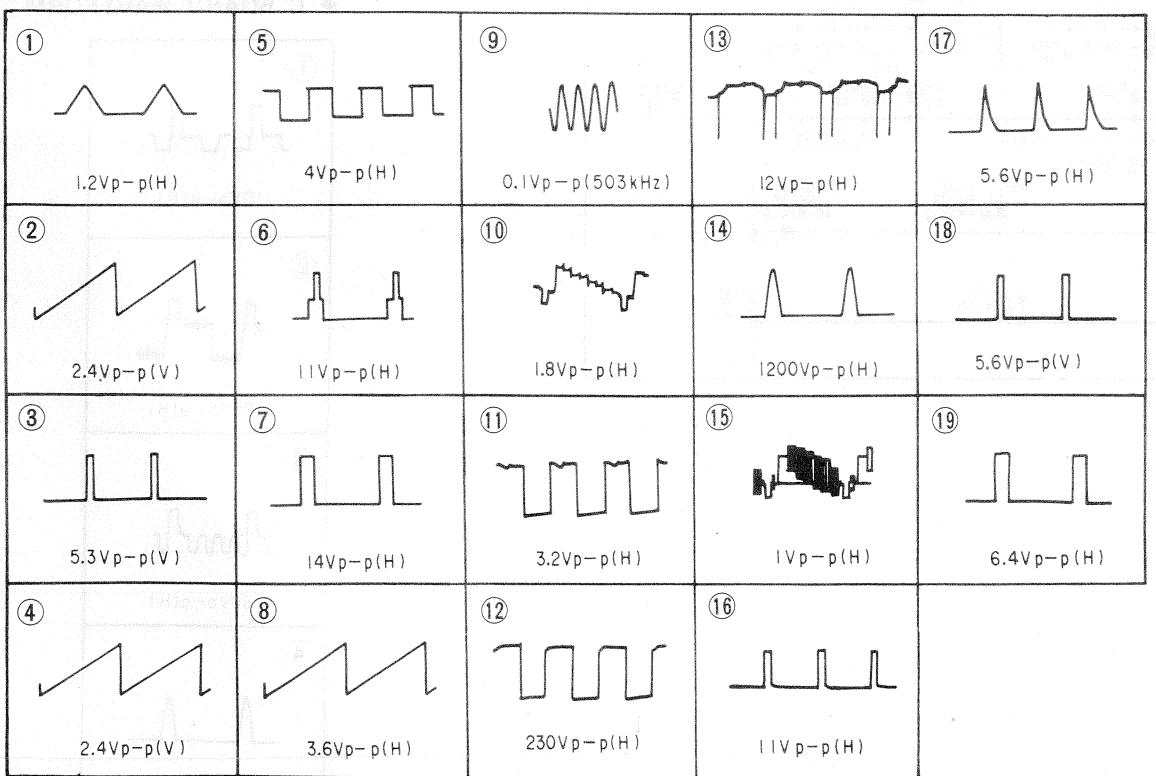
D

K5
STEREO



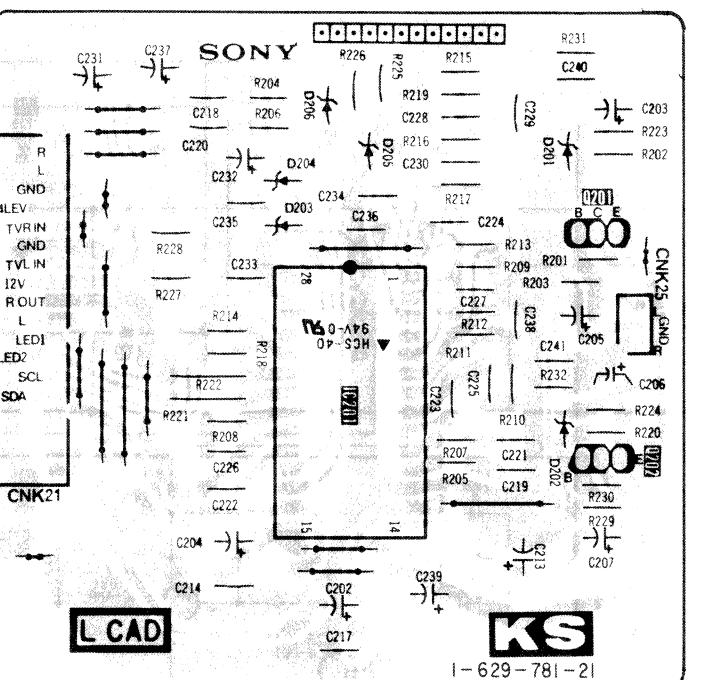
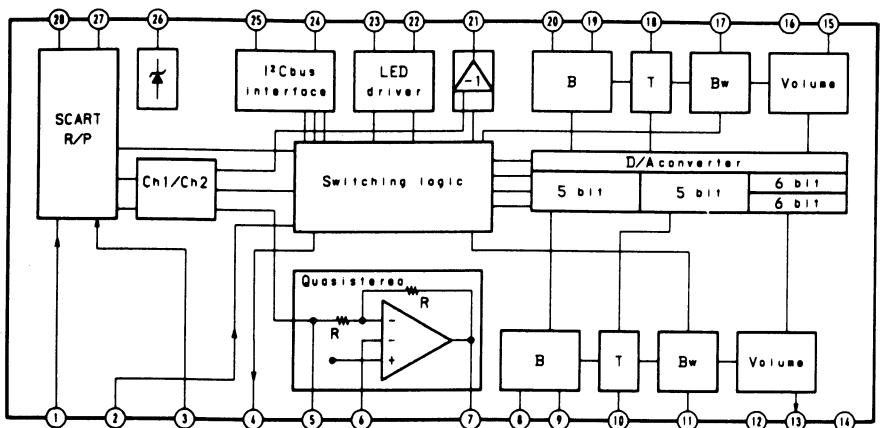
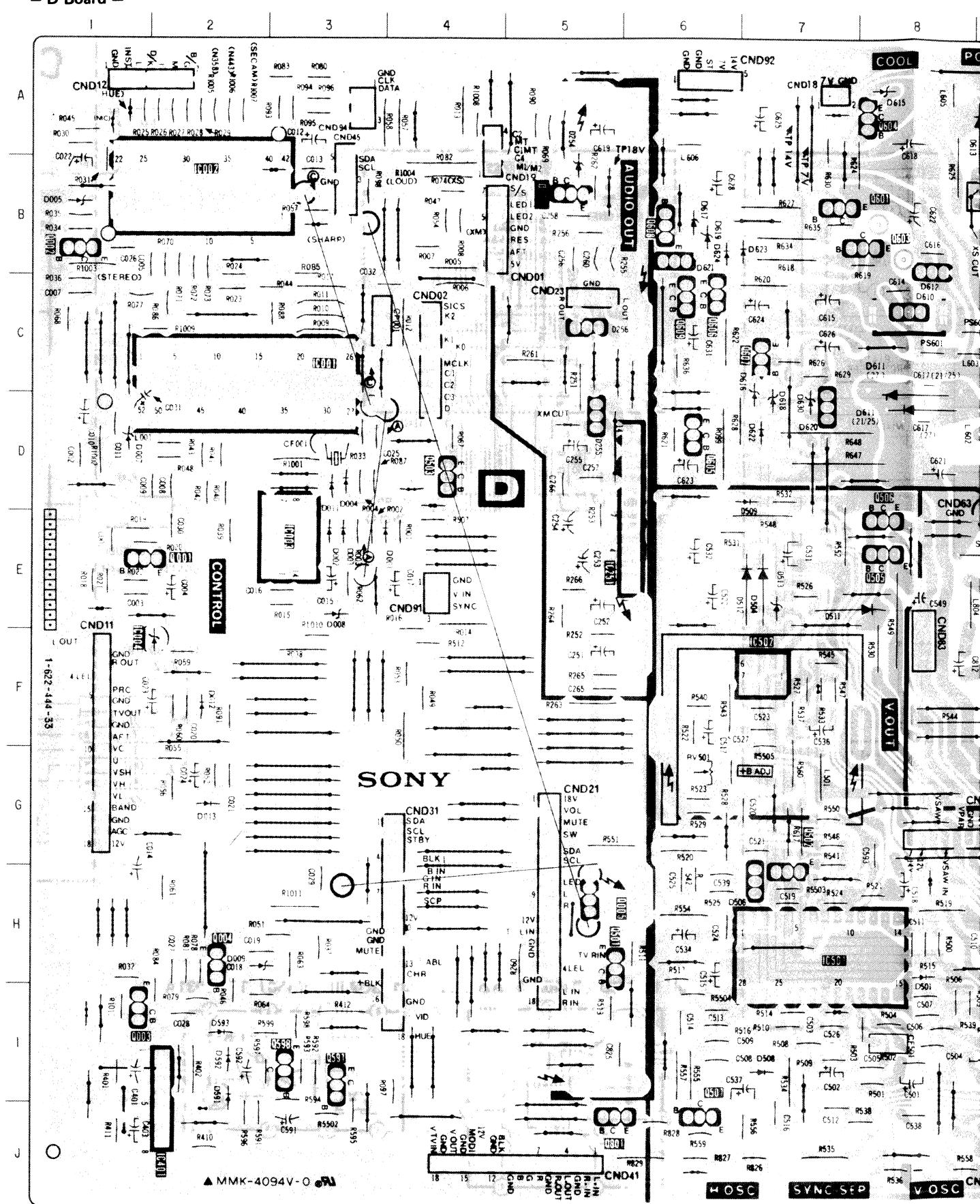
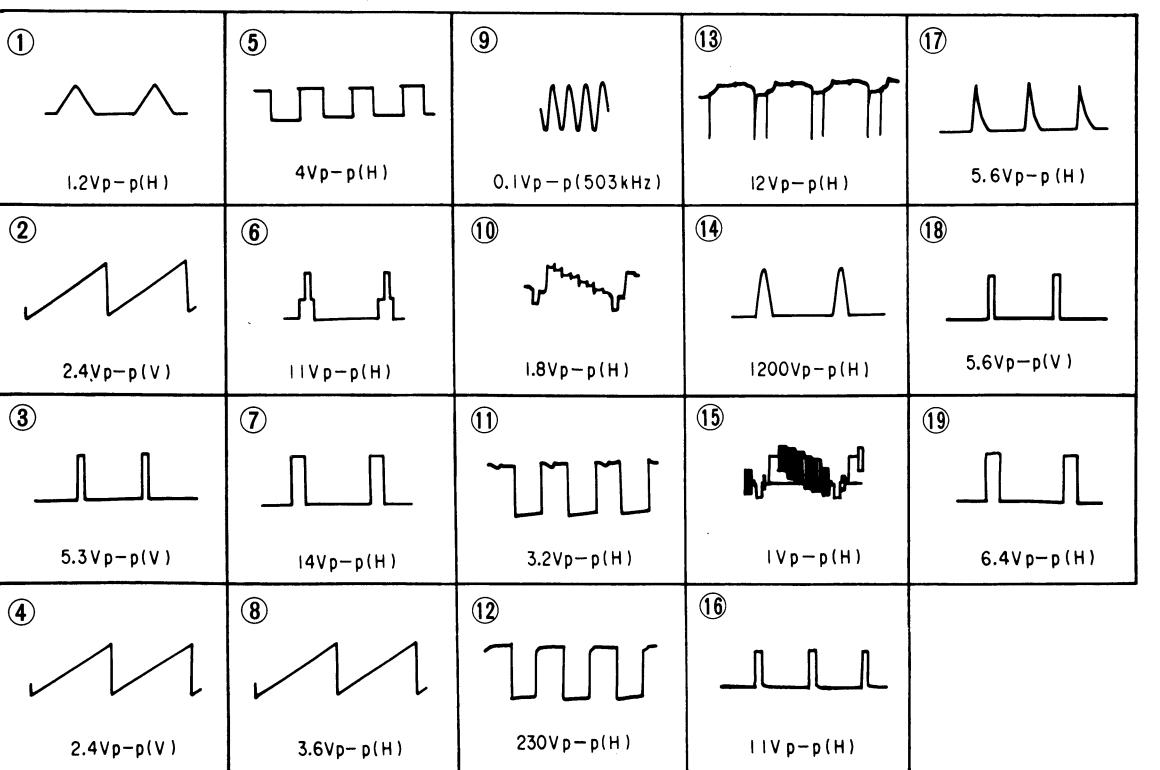
Ks

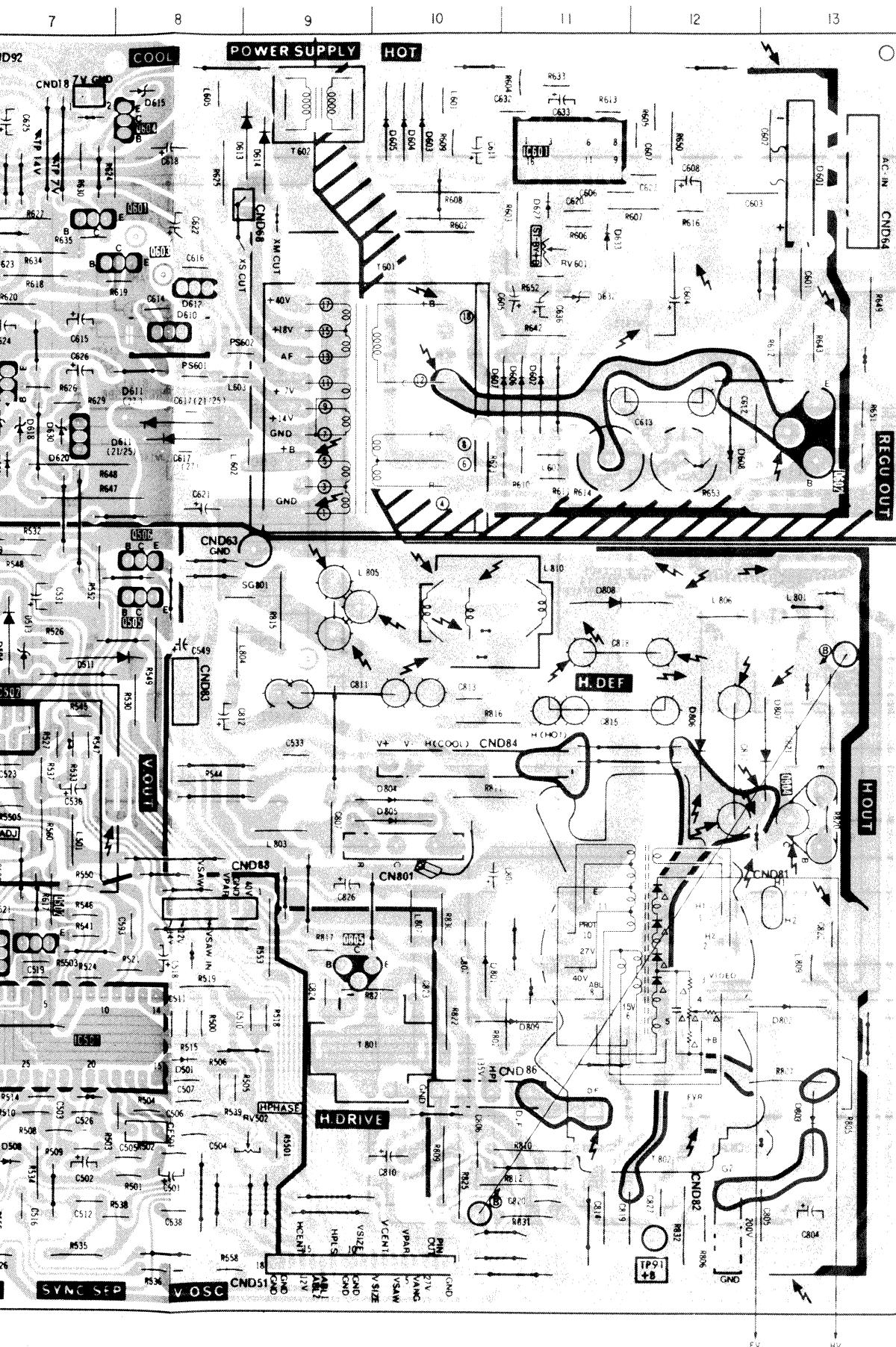
[AF INTERFACE]

- KS Board -**D**[AF OUT, Y-CHROMA,
JUNGLE, V-H DEF]**- D Board -****• D BOARD WAVEFORM**

Ks

[AF INTERFACE]

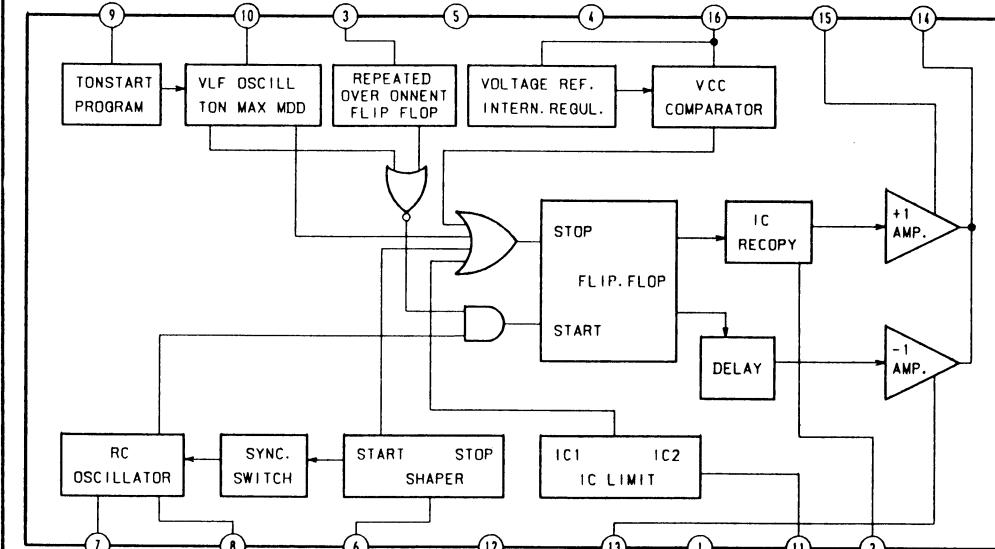
- KS Board -**KS BOARD IC201 TDA6200****D**[AF OUT, Y-CHROMA,
JUNGLE, V-H DEF]**- D Board -****• D BOARD WAVEFORM**



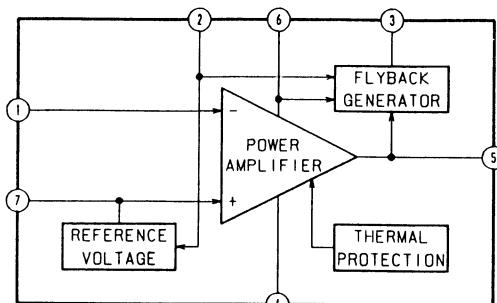
D BOARD IC501 TEA2028A

IC	DIODE
IC001 IC002 IC003 IC004 IC251	D-3 E-3 F-2 E-6
IC401 IC501 IC502 IC601	J-2 H-7 F-7 B-11
	D001 D002 D003 D004 D005
	E-4 E-3 D-3 B-1
	D007 D008 D009 D011 D012 D013
	D-1 F-1 I-3 E-3 G-2
Q001 Q002 Q003 Q004 Q252	E-2 B-1 I-2 H-2 B-6
Q501 Q502 Q503 Q505 Q506	H-6 H-7 D-4 E-8 E-8
Q507 Q591 Q598 Q601 Q602	J-6 I-3 I-3 B-8 D-13
Q603 Q604 Q605 Q606 Q607	B-8 A-8 D-6 C-6 C-7
Q608 Q609 Q801 Q804 Q805	A-10 D601 D602 D603 D604
	C-11 C-11 D-11 C-8
	D-8 D611 D612 D613 D614 D615
	C-8 A-9 B-9 A-8
	D616 D617 D618 D619 D620
	D-7 B-6 D-7 B-6 D-8
D621 D622 D623 D624 D627	C-6 D-7 C-7 C-7 B-11
D630 D632 D633 D801 D802	D-7 C-11 C-11 H-11 H-13
D803 D804 D805 D806 D808	I-13 G-10 G-10 F-12 E-12
D809	H-11
	VARIABLE RESISTOR
RV501 RV502 RV601	G-6 I-9 B-11

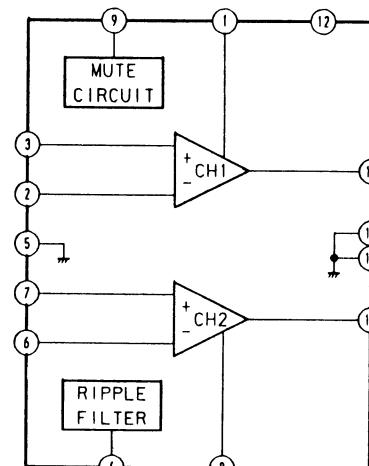
D BOARD IC601 TEA2164



D BOARD IC502 TDA8170

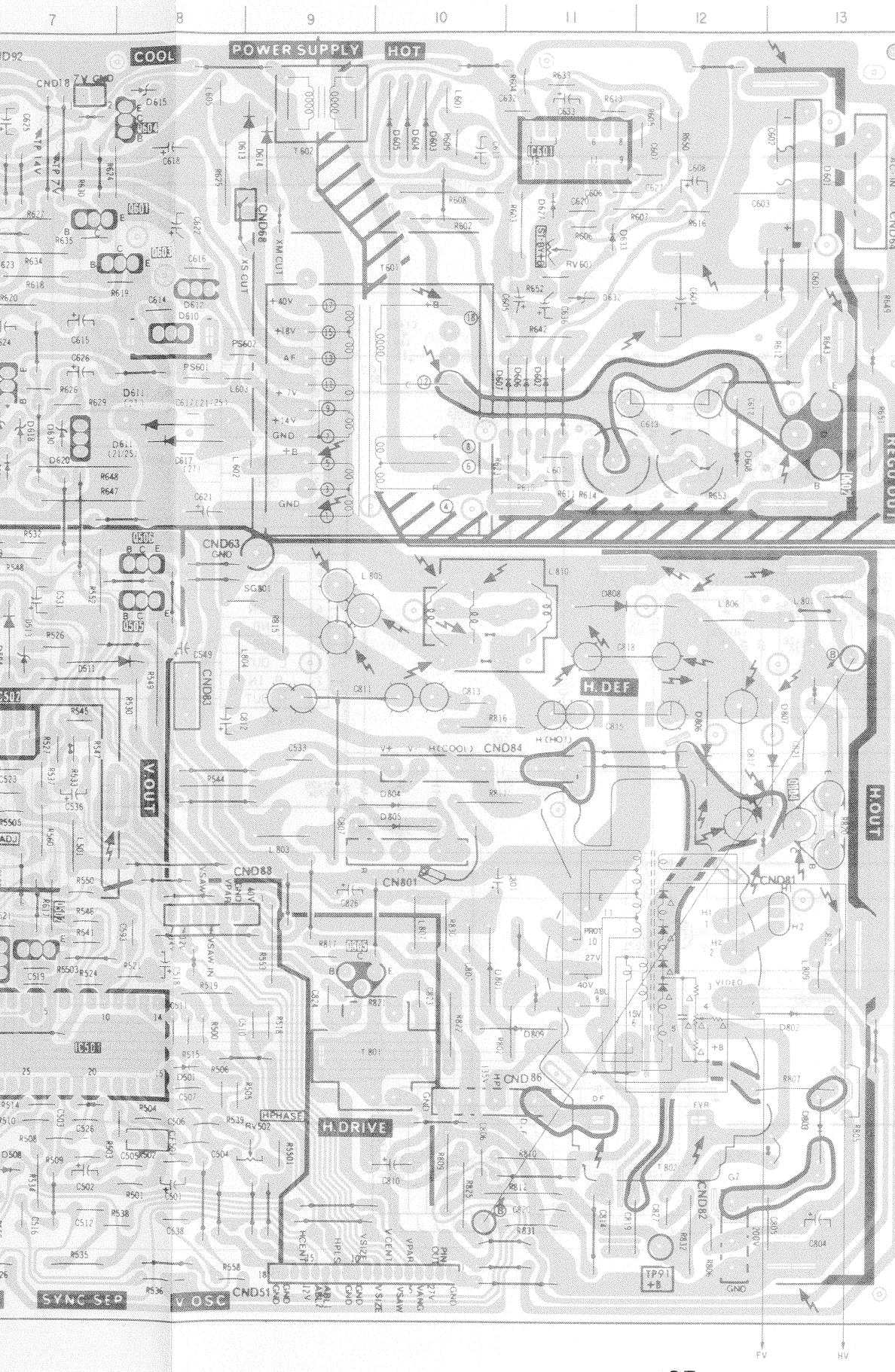


D BOARD IC251 LA4280



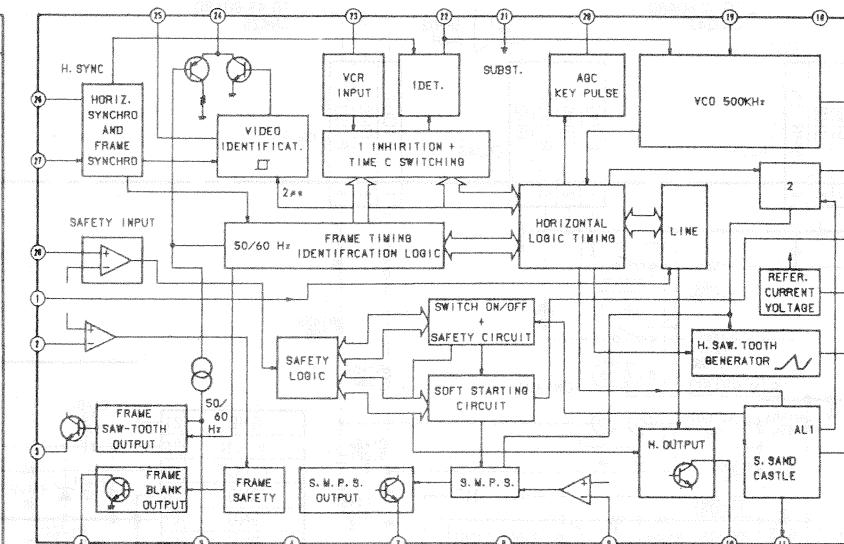
NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

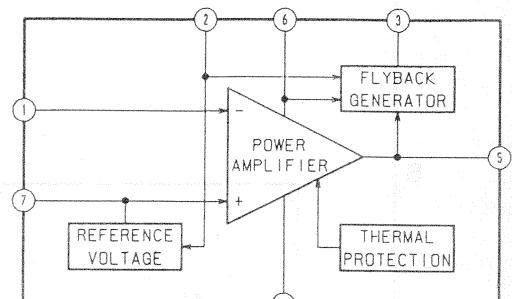


IC	DIODE
IC001	D-3
IC002	D001 E-4
IC003	D002 E-3
IC004	D003 E-3
IC0251	D004 D-3
	D005 B-1
IC401	D-2
IC501	J-2
IC502	H-7
IC601	F-7
	B-11
D007	D-1
D008	F-1
D009	I-3
D011	E-3
D012	N-2
D013	G-2
D254	B-5
D501	I-8
D502	B-1
D503	E-7
D504	H-7
D505	I-7
D506	B-6
D511	F-8
D512	H-7
D513	E-7
D591	J-2
D592	I-2
D593	J-6
D594	B-13
D595	I-3
D596	C-11
D601	A-10
D602	B-8
D603	A-10
D604	A-10
D605	D-2
D606	B-13
D607	C-11
D608	C-11
D610	D-11
D611	C-8
D612	D-8
D613	C-8
D614	A-9
D615	B-9
D616	A-8
D617	D-7
D618	B-6
D619	D-7
D620	B-6
D621	D-8
D622	C-6
D623	D-7
D624	C-7
D627	B-11
D630	C-6
D632	D-7
D633	C-11
D801	H-11
D802	H-13
D803	I-13
D804	G-10
D805	G-10
D806	F-12
D808	E-12
D809	H-11
VARIABLE RESISTOR	
RV501	G-6
RV502	I-9
RV601	B-11

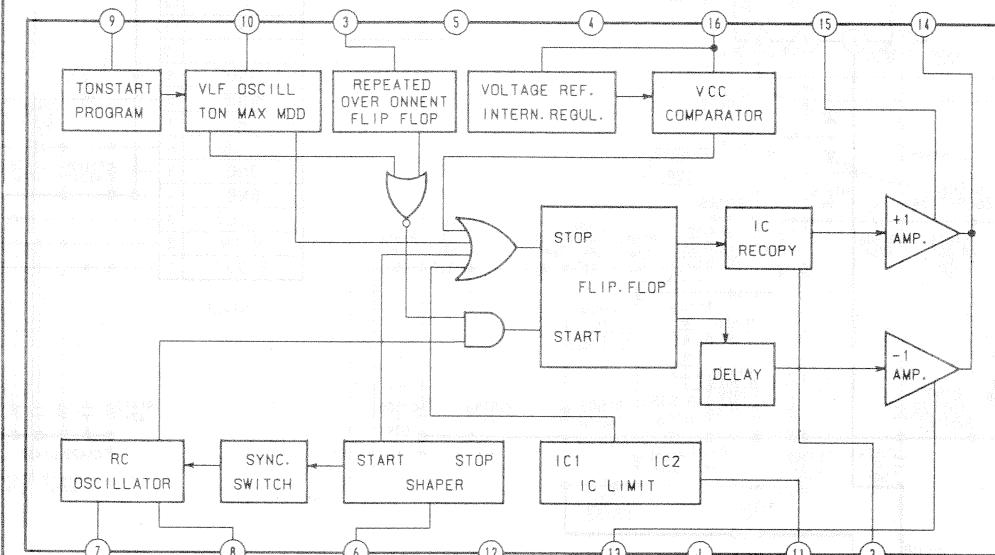
D BOARD IC501 TEA2028A



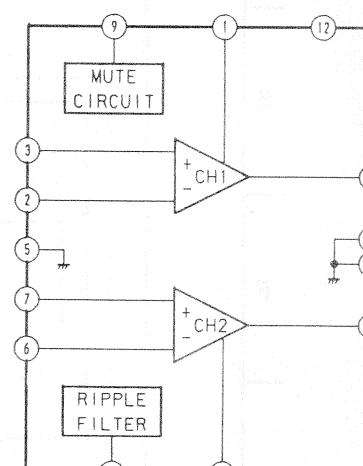
D BOARD IC502 TDA8170



D BOARD IC601 TEA2164



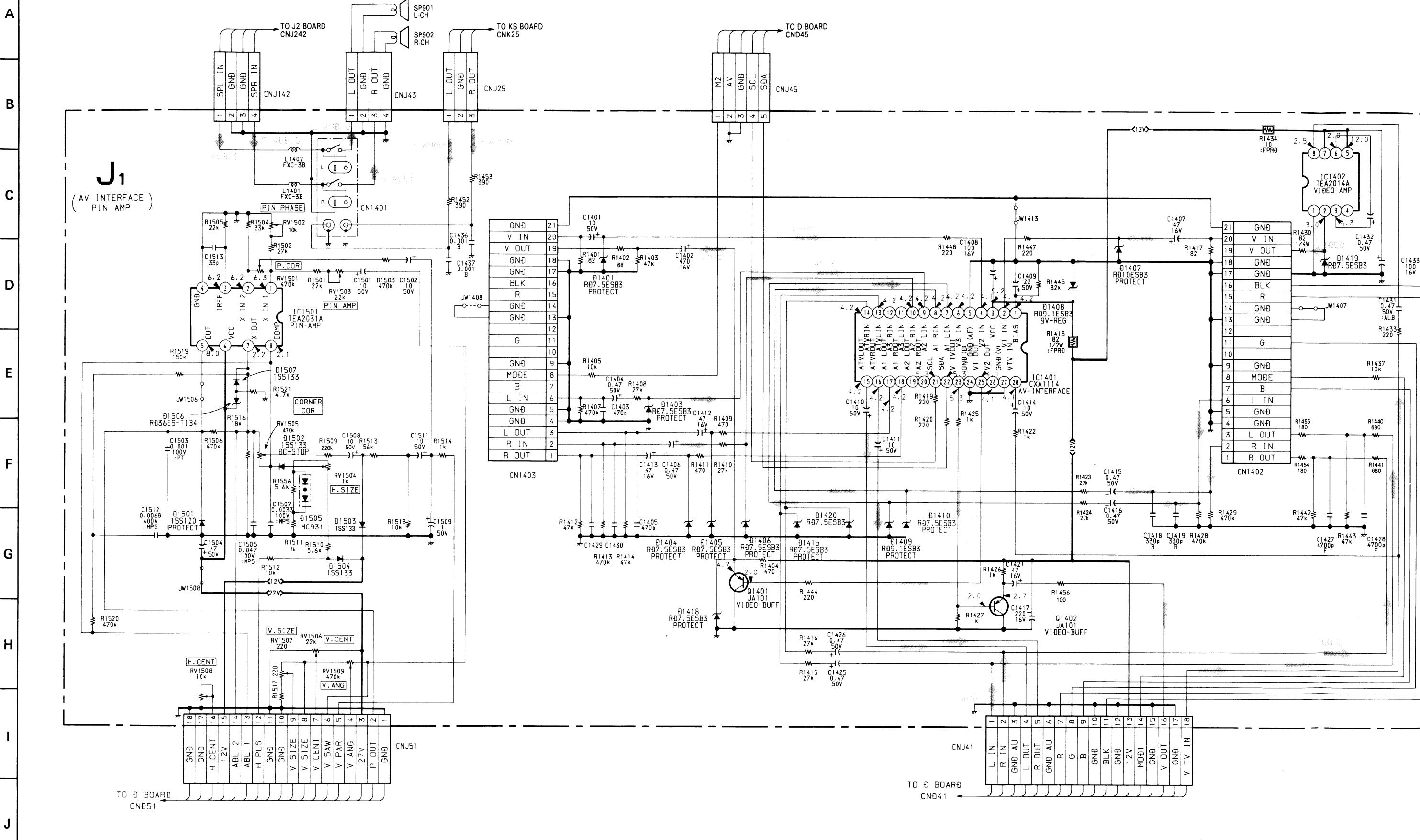
D BOARD IC251 LA4280



NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16



15

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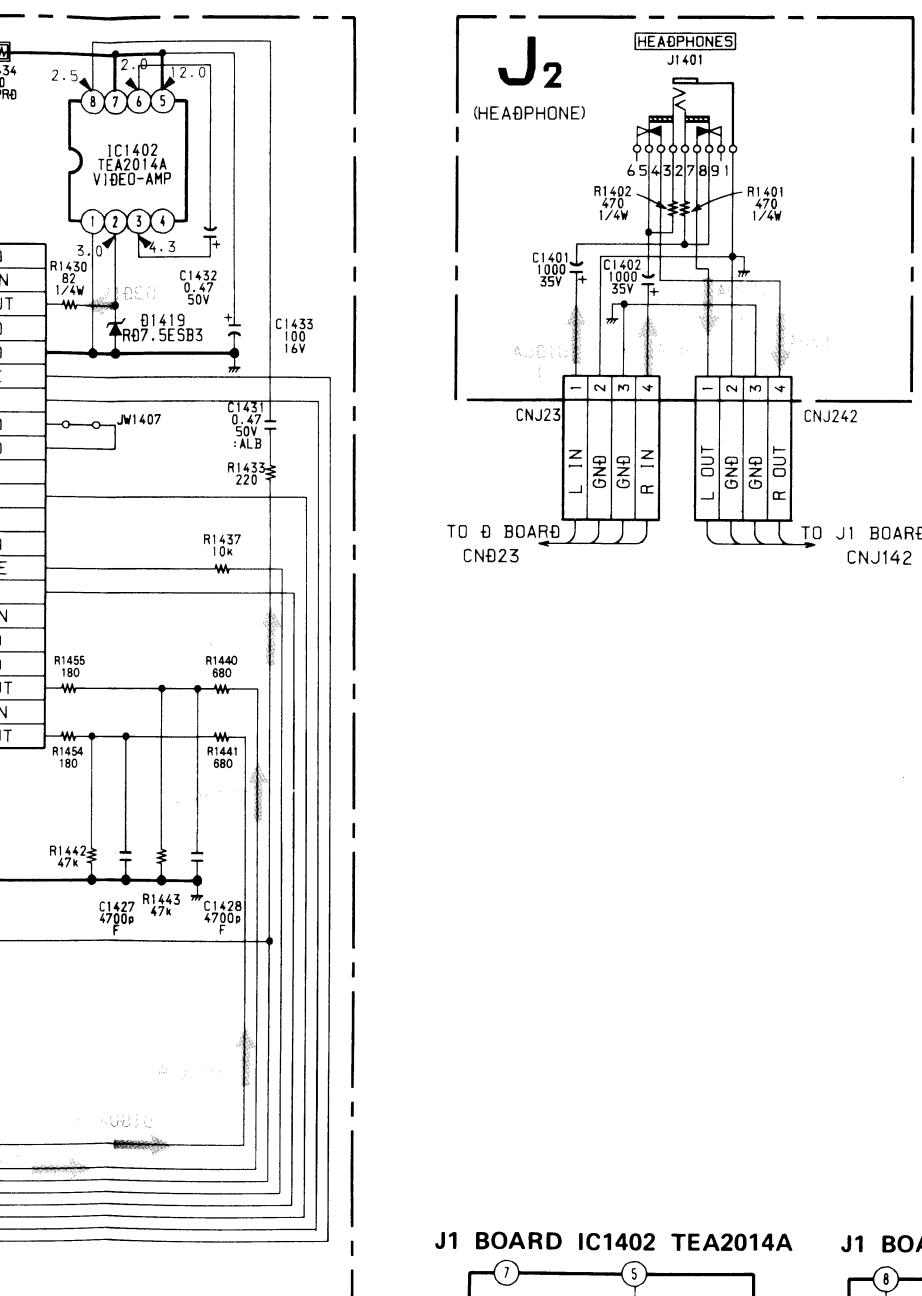
26

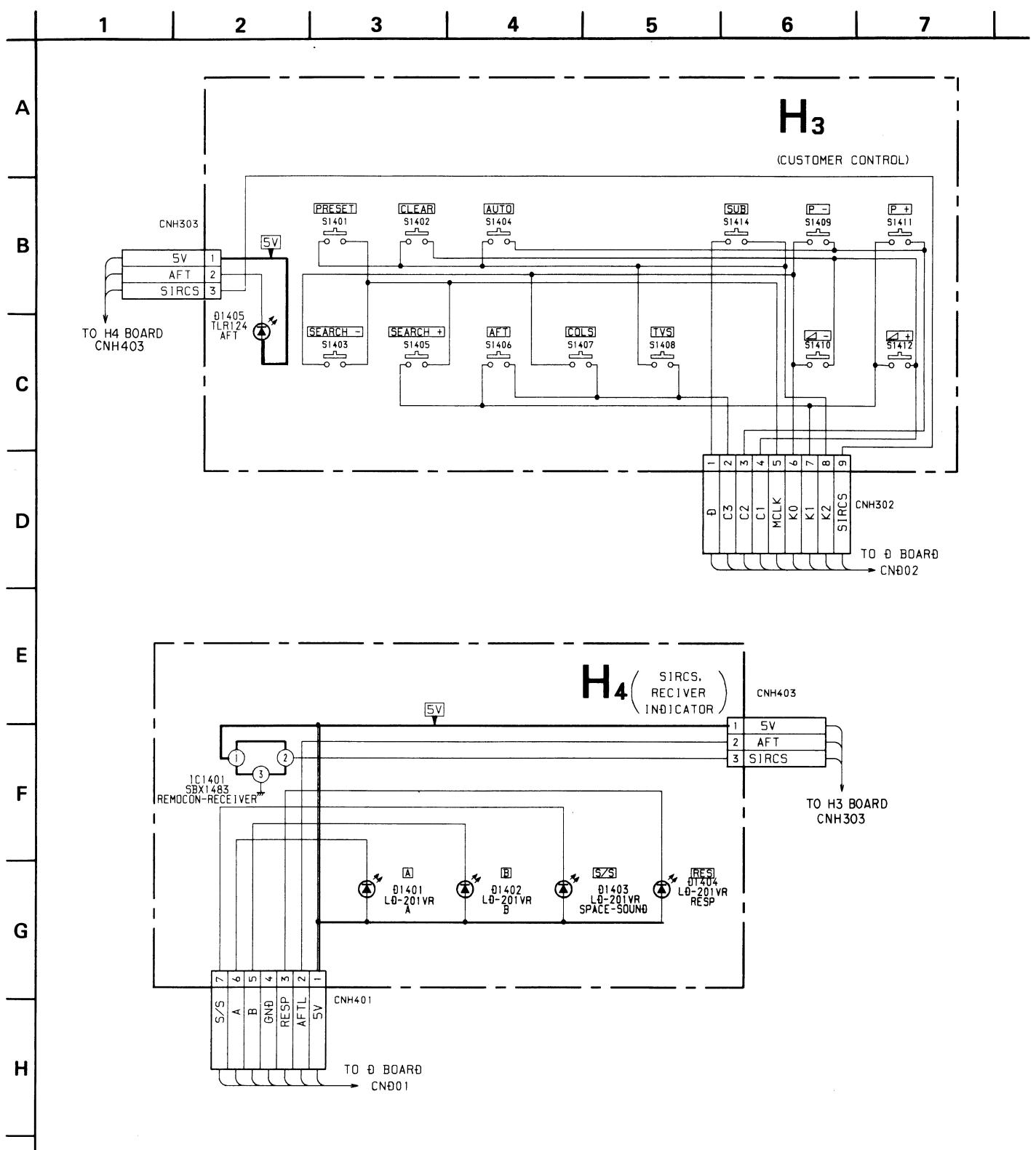
27

28

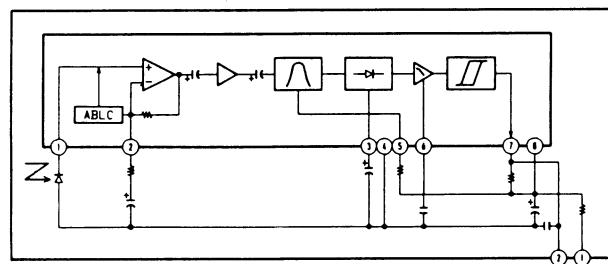
29

30





H4 BOARD IC1401 SBX-1483



J 1

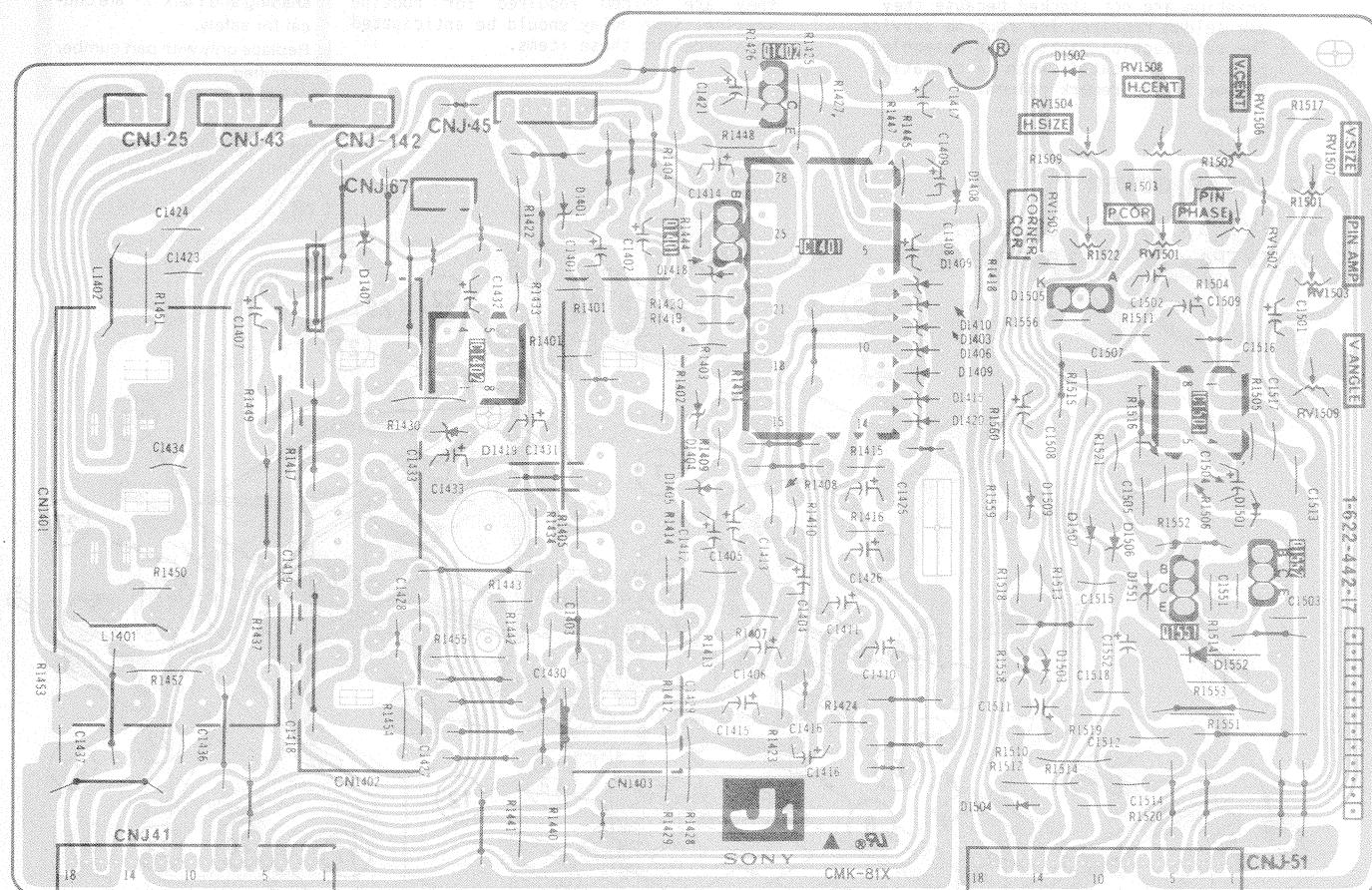
[INTERFACE]

J₂

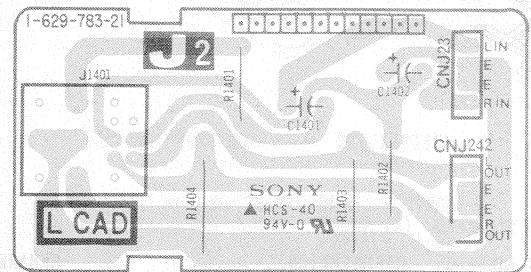
[HEADPHONE JACK]

– J1 Board –

Deze bekende lening is een belangrijke voorbeeld van hoe mensen kunnen helpen elkaar te overleven.



— J2 Board —



C

[R·G·B OUT]

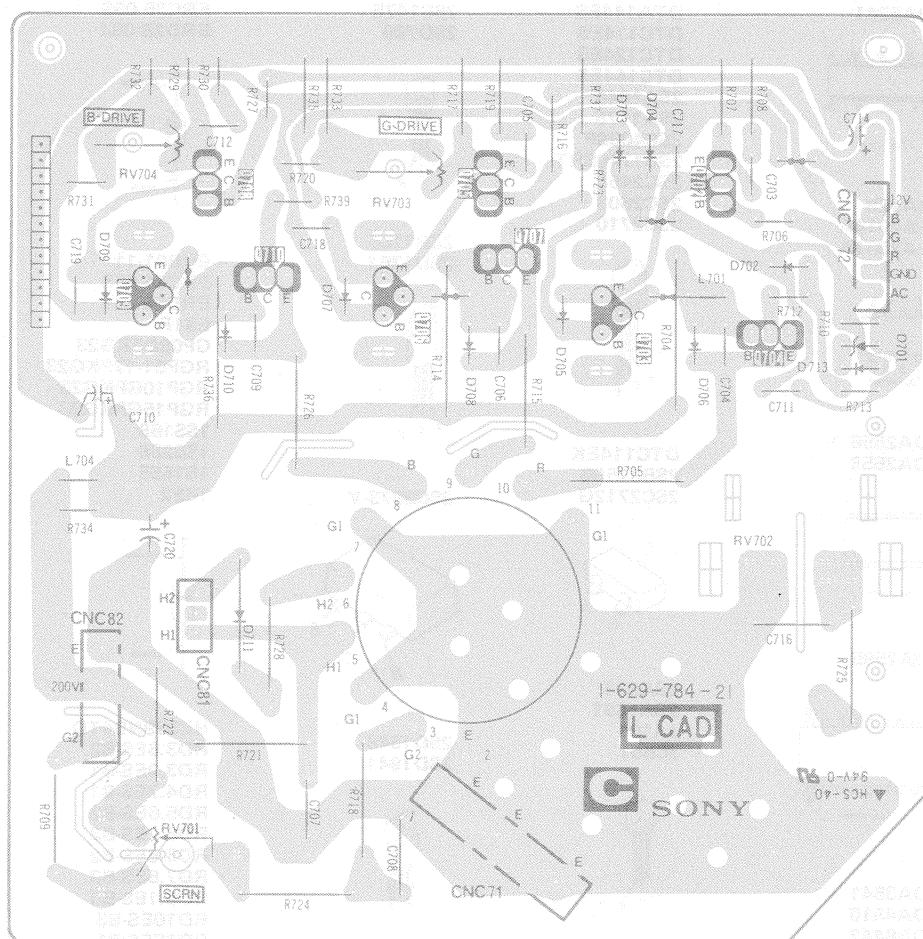
H3

CUSTOMER
CONTROL

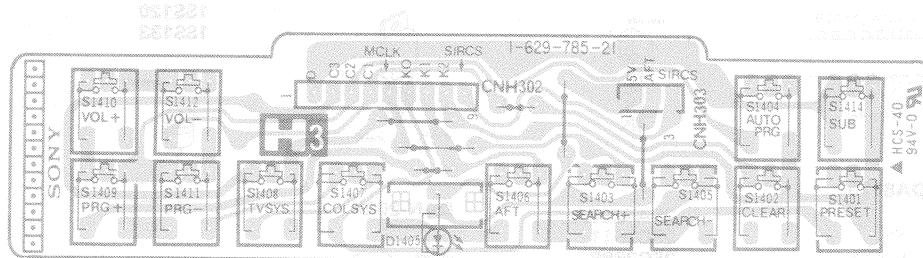
H4

[REMOCON RECEIVER]

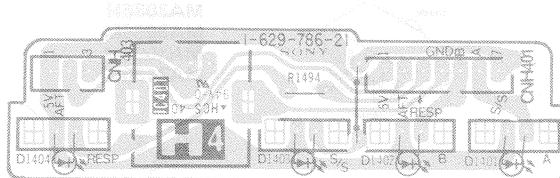
- C Board -



- H3 Board -



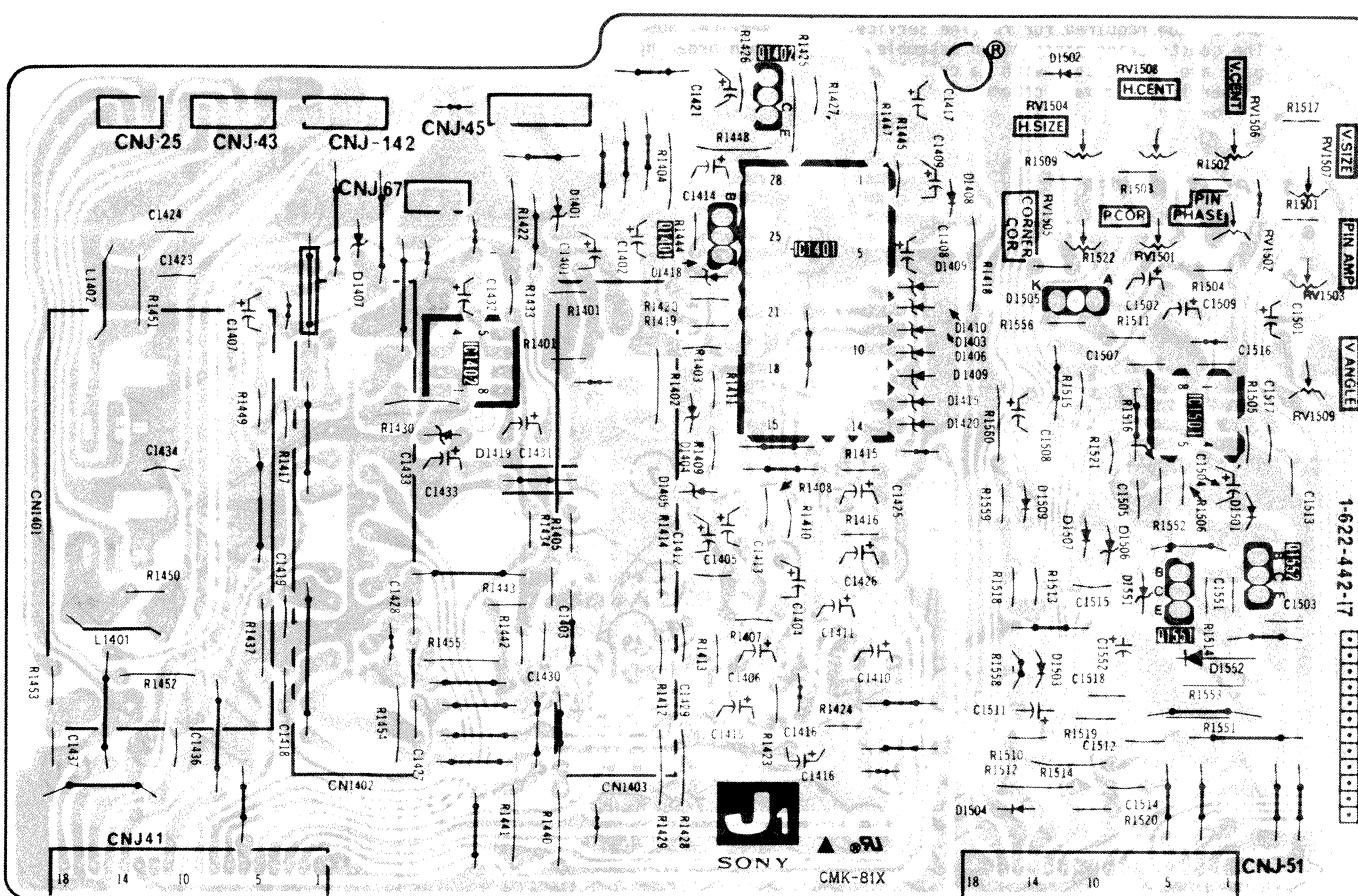
– H4 Board –



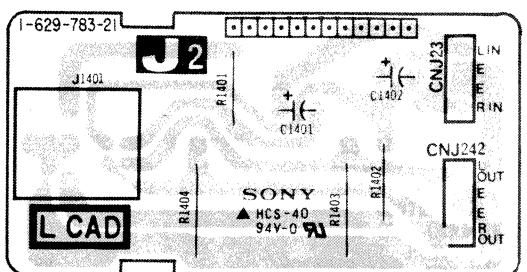
J1 [INTERFACE]

A black rectangular box containing the text "J2" in a large, bold, white sans-serif font. To the right of the box, the text "[HEADPHONE JACK]" is written in a smaller, white, all-caps sans-serif font.

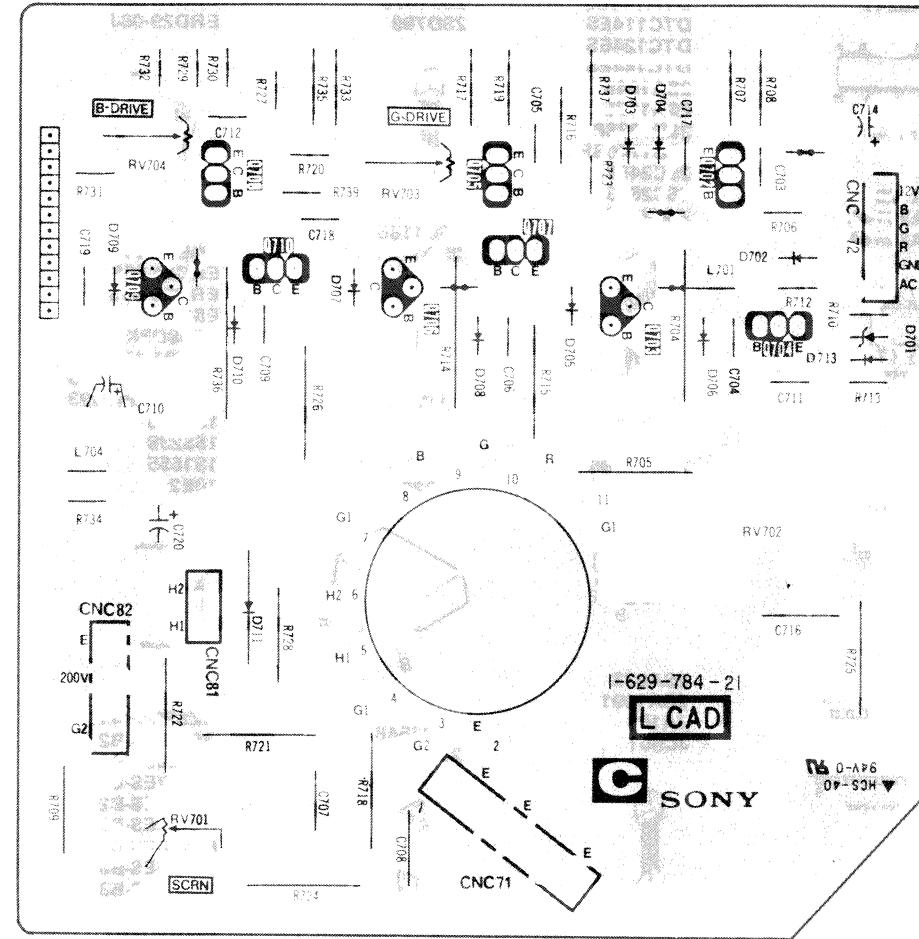
– J1 Board –



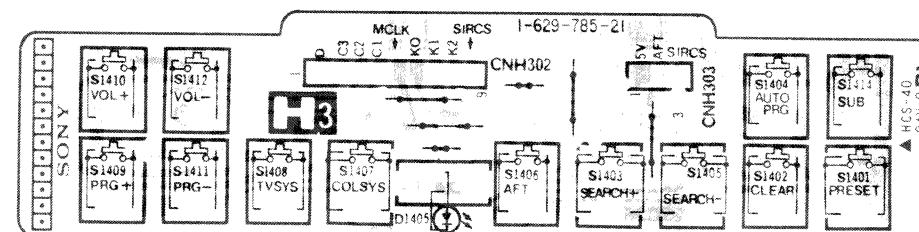
- J2 Board -



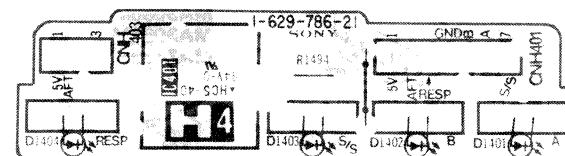
– C Board –



– H3 Board –

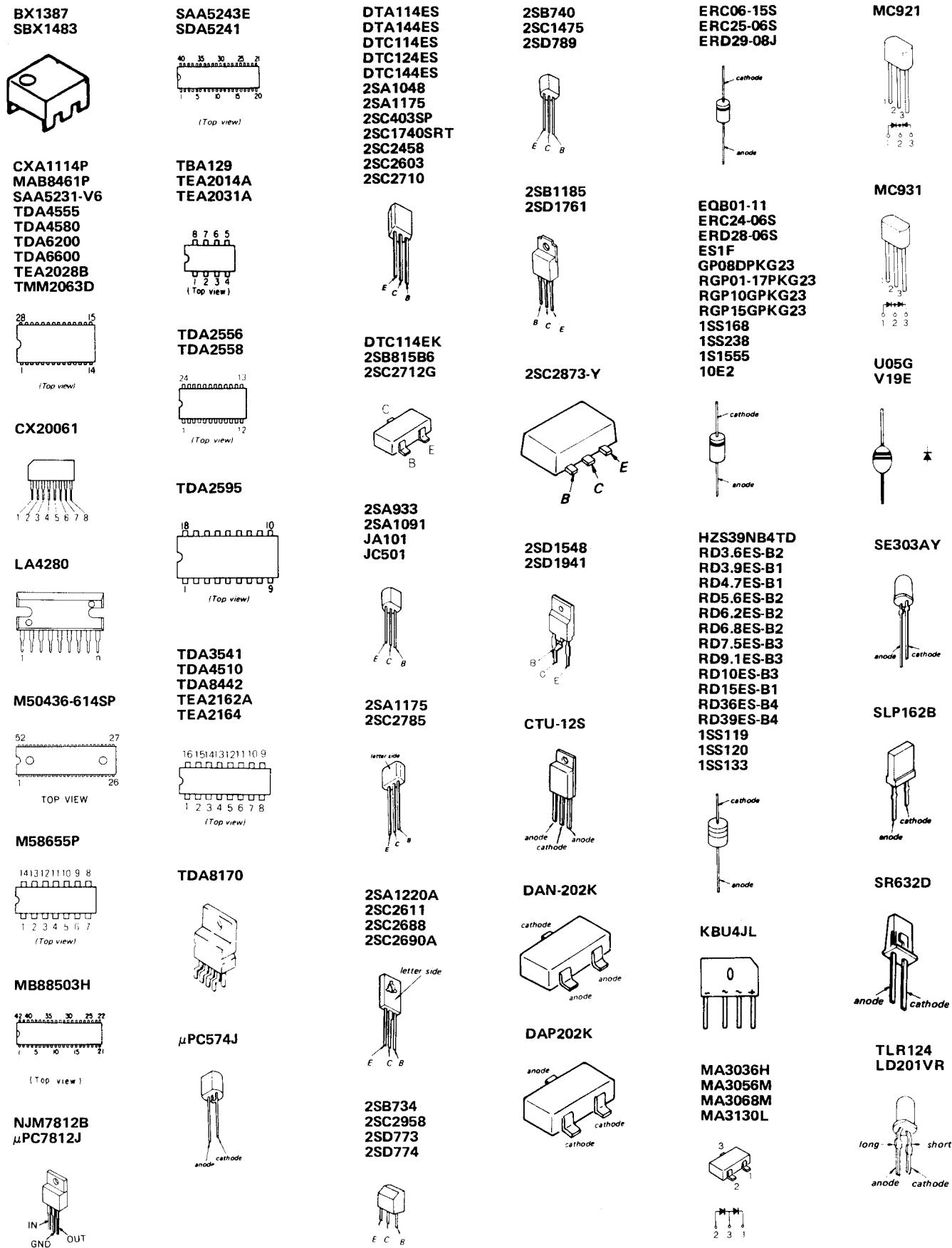


– H4 Board –



SECTION 6 EXPLODED VIEWS

5-5. SEMICONDUCTORS



NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

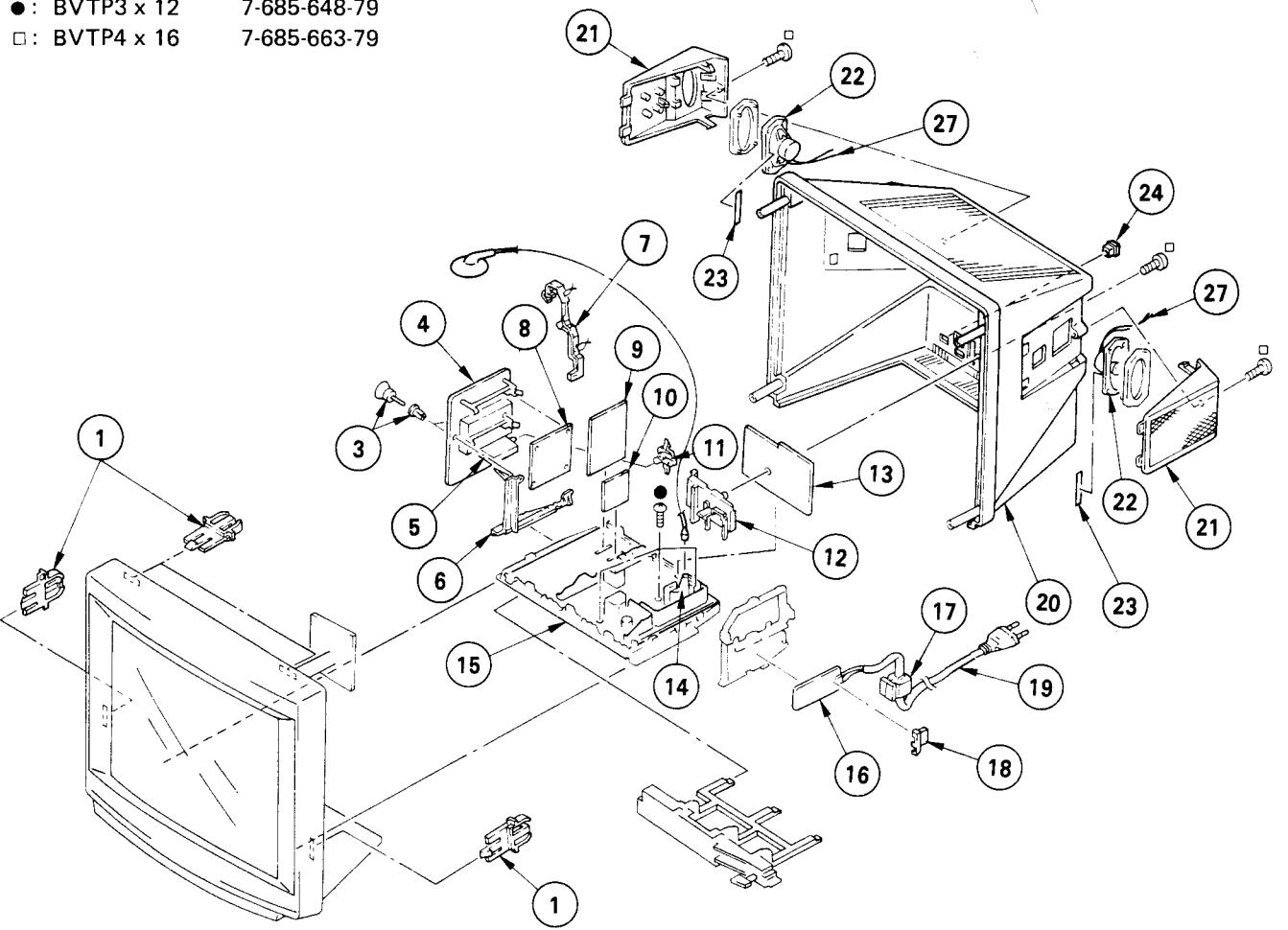
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

6-2. PIC

6-1. REAR COVER

- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	4-382-745-01	HOLDER, RC		14	▲ .1-439-416-11	TRANSFORMER ASSY, FLYBACK	
3	4-386-618-01	RIVET, T TYPE		15	*A-1345-721-A	D BOARD, COMPLETE	
4	*A-1296-476-A	A BOARD, COMPLETE		16	*1-629-719-21	F1 BOARD	
5	▲ .1-465-053-11	TUNER, ET (UV-615S)		17	▲ .4-022-115-01	HOLDER, AC CODE	
6	*4-386-629-12	BRACKET, A		18	*4-386-620-01	COVER, POWER	
7	*4-386-628-11	SUPPORTER, PC BOARD		19	▲ .1-559-346-12	CORD, POWER (WITH CONNECTOR)	
8	*A-1347-030-A	V BOARD, COMPLETE		20	4-387-808-11	COVER, REAR	
9	*A-1135-498-A	B BOARD, COMPLETE		21	X-4385-930-3	BOARD ASSY, BAFFLE	
10	*1-629-781-21	KS BOARD		22	1-503-642-41	SPEAKER	
11	*4-386-617-01	HOLDER, TERMINAL		23	4-387-886-01	SPACER, BAFFLE BOARD	
12	*4-386-624-11	BRACKET, J		24	4-389-292-01	BUSHING, CORD	
13	*A-1371-373-A	J1 BOARD, COMPLETE		27	1-574-565-11	CORD (WITH PLUG)	

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

SECTION 6 EXPLODED VIEWS

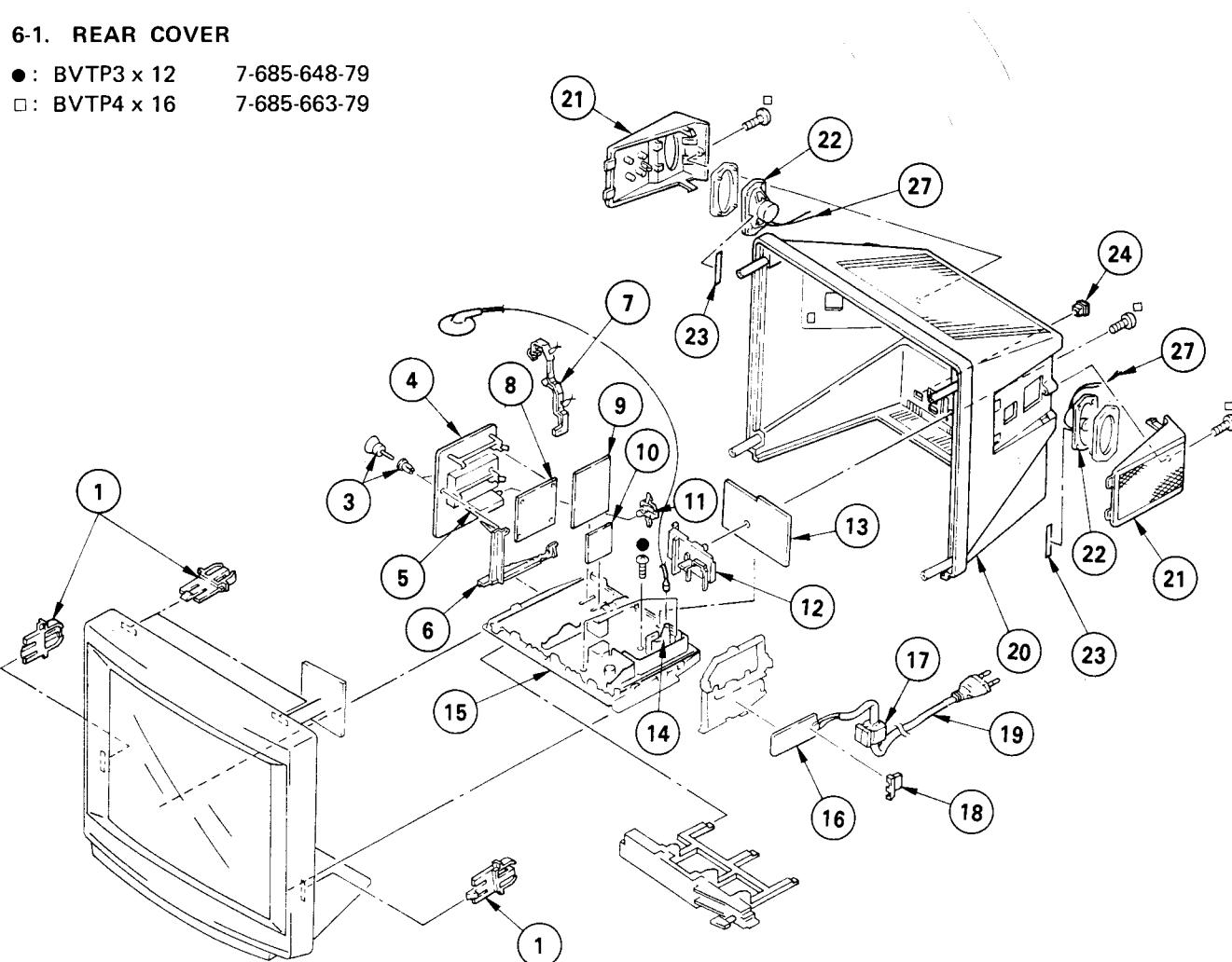
NOTE:
 • Items with no part number and no description are not stocked because they are seldom required for routine service.
 • The construction parts of an assembled part are indicated with a callout number in the remark column.

• Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

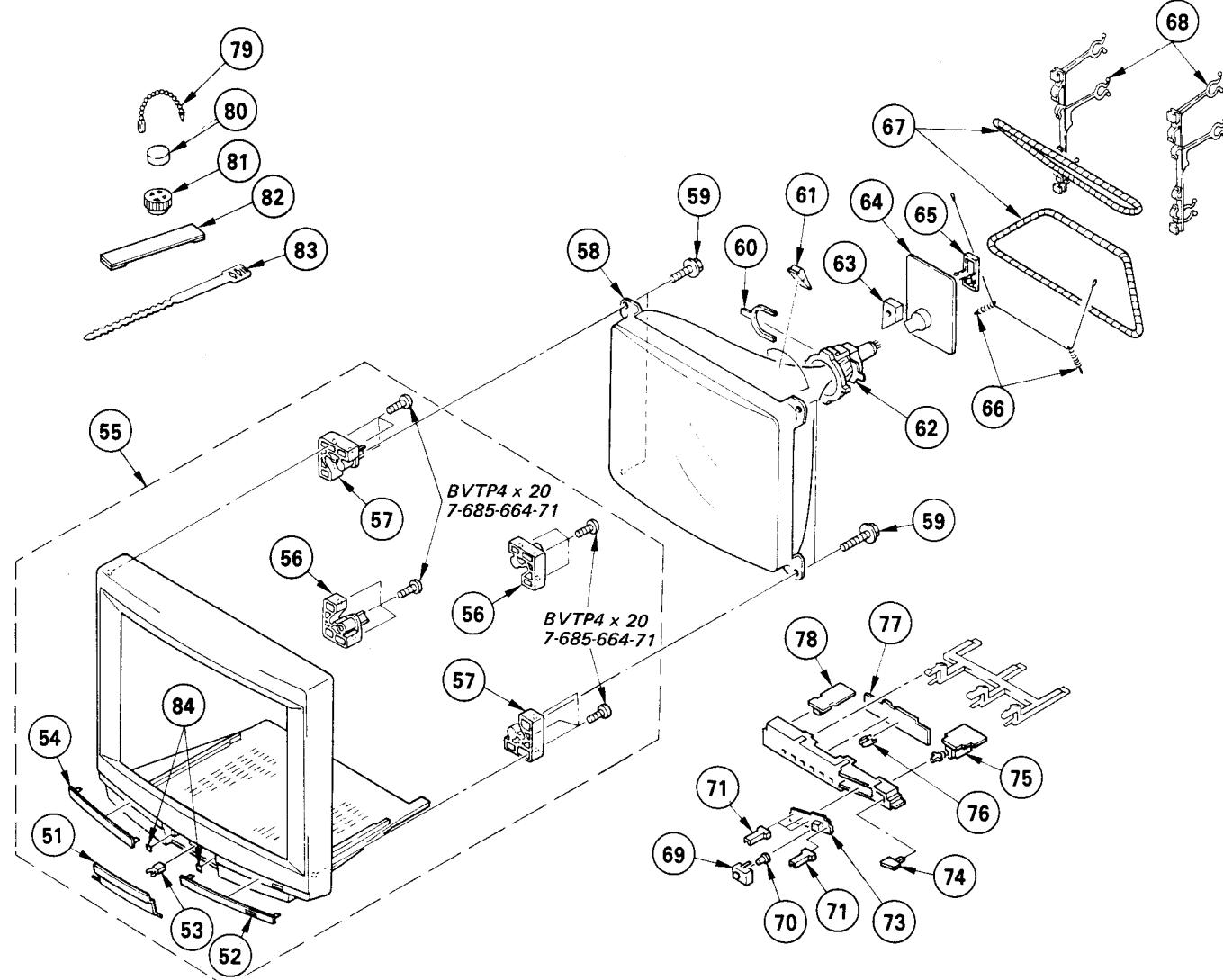
The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

6-1. REAR COVER

- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79



6-2. PICTURE TUBE



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	4-382-745-01	HOLDER, RC		14 ▲ .1-439-416-11	TRANSFORMER ASSY, FLYBACK		
3	4-386-618-01	RIVET, T TYPE		15 *A-1345-721-A	D BOARD, COMPLETE		
4	*A-1296-476-A	A BOARD, COMPLETE		16 *1-629-719-21	F1 BOARD		
5 ▲ .1-465-053-11	TUNER, ET (UV-615S)			17 ▲ .4-022-115-01	HOLDER, AC CODE		
6	*4-386-629-12	BRACKET, A		18 *4-386-620-01	COVER, POWER		
7	*4-386-628-11	SUPPORTER, PC BOARD		19 ▲ .1-559-346-12	CORD, POWER (WITH CONNECTOR)		
8	*A-1347-030-A	V BOARD, COMPLETE		20 4-387-808-11	COVER, REAR		
9	*A-1135-498-A	B BOARD, COMPLETE		21 X-4385-930-3	BOARD ASSY, BAFFLE		
10	*1-629-781-21	KS BOARD		22 1-503-642-41	SPEAKER		
11	*4-386-617-01	HOLDER, TERMINAL		23 4-387-886-01	SPACER, BAFFLE BOARD		
12	*4-386-624-11	BRACKET, J		24 4-389-292-01	BUSHING, CORD		
13	*A-1371-373-A	J1 BOARD, COMPLETE		27 1-574-565-11	CORD (WITH PLUG)		

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
51	4-389-279-01	DOOR, CONTROL		68	*4-386-622-01	BAND, DGC	
52	4-389-280-01	PLATE (A), ORNAMENTAL		69	*4-388-955-01	BRACKET (B), LIGHT GUIDE	
53	4-386-710-01	CATCHER, PUSH		70	*4-374-987-01	GUIDE, LIGHT	
54	4-389-281-01	PLATE (B), ORNAMENTAL		71	*4-387-825-01	HOLDER, LED	
55	X-4389-210-1	BEZNET ASSY	51-54, 56, 57	73	*1-629-786-21	H4 BOARD	
56	4-387-805-03	BRACKET (A), PICTURE TUBE		74	4-389-278-01	BUTTON, POWER	
57	*4-387-806-03	BRACKET (B), PICTURE TUBE		75	*1-629-720-21	F2 BOARD	
58 ▲ .8-738-753-05	PICTURE TUBE (A51JUH60X)			76	*4-384-208-01	HOLDER, LED	
59	4-382-733-01	SCREW (S), PT		77	*1-629-785-21	H3 BOARD	
60	1-452-277-00	MAGNET, BMC		78	*1-629-783-21	J2 BOARD	
61	3-703-961-01	SPACER, DY		79	4-308-870-00	CLIP, LEAD WIRE	
62 ▲ .1-451-295-31	DEFLECTION YOKE (SY-153E)			80	1-452-032-00	MAGNET, DISK; 10MM φ	
63	*4-379-167-01	COVER (MAIN), CV		81	1-452-094-00	MAGNET, ROTATABLE DISK; 150MM φ	
64	*A-1330-850-A	C BOARD, COMPLETE		82	X-4309-608-0	PERMALOY ASSY, CONVERGENCE	
65	*4-379-160-01	COVER (REAR LID), CV		83	3-701-007-00	BAND, BINDING	
66	4-369-318-00	SPRING, TENSION		84	4-314-871-00	CUSHION	
67 ▲ .1-426-383-11	COIL, DEMAGNETIZATION						

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

SECTION 7

ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number, please include the board name.

CAPACITORS COILS

* MF : μ F, PF : $\mu\mu$ F * MMH : mH, UH : μ H

Note) In this parts list, the mounting diagram is for a different product.
Therefore, an excess of parts is listed.

RESISTORS

- All resistors are in ohms
- F : nonflammable

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
*A-1135-498-A	B BOARD, COMPLETE			C357	1-102-965-00	CERAMIC	39PF 5%
	*****			C358	1-124-963-11	ELECT	33MF 20% 16V
				C359	1-102-963-00	CERAMIC	33PF 5% 50V
				C360	1-101-004-00	CERAMIC	0.01MF 50V
		<CAPACITOR>		C361	1-101-004-00	CERAMIC	0.01MF 50V
C301	1-106-228-00	MYLAR	0.22MF 10% 100V	C364	1-101-361-00	CERAMIC	150PF 5% 50V
C302	1-106-228-00	MYLAR	0.22MF 10% 100V	C365	1-124-477-11	ELECT	47MF 20% 16V
C303	1-126-101-11	ELECT	100MF 20% 16V	C366	1-124-477-11	ELECT	47MF 20% 16V
C304	1-106-228-00	MYLAR	0.22MF 10% 100V	C367	1-101-004-00	CERAMIC	0.01MF 50V
C305	1-124-119-00	ELECT	330MF 20% 16V	C368	1-101-880-00	CERAMIC	47PF 5% 50V
C306	1-124-902-00	ELECT	0.47MF 20% 50V	C381	1-124-902-00	ELECT	0.47MF 20% 50V
C307	1-124-902-00	ELECT	0.47MF 20% 50V	C382	1-124-927-11	ELECT	4.7MF 20% 50V
C308	1-124-902-00	ELECT	0.47MF 20% 50V	C384	1-124-477-11	ELECT	47MF 20% 16V
C309	1-124-902-00	ELECT	0.47MF 20% 50V	C385	1-124-927-11	ELECT	4.7MF 20% 50V
C310	1-106-220-00	MYLAR	0.1MF 10% 100V	C387	1-124-902-00	ELECT	0.47MF 20% 50V
C311	1-106-220-00	MYLAR	0.1MF 10% 100V	C1311	1-101-884-00	CERAMIC	56PF 5% 50V
C312	1-124-902-00	ELECT	0.47MF 20% 50V				
C313	1-124-902-00	ELECT	0.47MF 20% 50V				
C314	1-124-902-00	ELECT	0.47MF 20% 50V				
C315	1-124-499-11	ELECT	1MF 20% 50V				
		<CONNECTOR>		CNB31	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P	
C319	1-124-477-11	ELECT	47MF 20% 16V	CNB72	*1-564-895-11	PLUG, CONNECTOR 6P	
C321	1-102-980-00	CERAMIC	270PF 5% 50V	CNB93	*1-560-278-41	PLUG, CONNECTOR 6P	
C322	1-101-888-00	CERAMIC	68PF 5% 50V				
C325	1-124-477-11	ELECT	47MF 20% 16V				
C326	1-101-004-00	CERAMIC	0.01MF 50V				
		<TRIMMER>					
C327	1-101-004-00	CERAMIC	0.01MF 50V	CT331	1-141-181-11	CAP, TRIMMER	
C330	1-101-004-00	CERAMIC	0.01MF 50V	CT332	1-141-181-11	CAP, TRIMMER	
C331	1-124-963-11	ELECT	33MF 20% 16V				
C332	1-124-119-00	ELECT	330MF 20% 16V				
C333	1-101-005-00	CERAMIC	0.022MF 50V				
		<DIODE>					
C334	1-101-884-00	CERAMIC	56PF 5% 50V	D301	8-719-911-19	DIODE ISS119	
C335	1-101-006-00	CERAMIC	0.047MF 5% 50V	D302	8-719-911-19	DIODE ISS119	
C336	1-106-367-00	MYLAR	0.01MF 10% 400V	D303	8-719-911-19	DIODE ISS119	
C337	1-101-004-00	CERAMIC	0.01MF 50V	D304	8-719-911-19	DIODE ISS119	
C338	1-101-888-00	CERAMIC	68PF 5% 50V	D305	8-719-911-19	DIODE ISS119	
C339	1-102-816-00	CERAMIC	120PF 5% 50V	D307	8-719-110-23	DIODE RD11ES-B3	
C340	1-102-953-00	CERAMIC	18PF 5% 50V	D309	8-719-911-19	DIODE ISS119	
C341	1-102-978-00	CERAMIC	220PF 5% 50V	D331	8-719-911-19	DIODE ISS119	
C342	1-102-953-00	CERAMIC	18PF 5% 50V	D333	8-719-911-19	DIODE ISS119	
C343	1-102-816-00	CERAMIC	120PF 5% 50V	D341	8-719-911-19	DIODE ISS119	
C344	1-101-888-00	CERAMIC	68PF 5% 50V				
C345	1-102-978-00	CERAMIC	220PF 5% 50V				
C346	1-102-074-00	CERAMIC	0.001MF 10% 50V				
C347	1-124-499-11	ELECT	1MF 20% 50V	DL331	1-415-122-00	DELAY LINE	
C348	1-124-499-11	ELECT	1MF 20% 50V	DL332	1-236-062-11	MODULE, Y DELAY LINE	
C349	1-136-173-00	FILM	0.47MF 5% 50V				
C350	1-106-383-00	MYLAR	0.047MF 10% 100V				
C351	1-106-375-12	MYLAR	0.022MF 10% 250V				
C352	1-106-375-12	MYLAR	0.022MF 10% 250V	IC301	8-759-979-85	IC TDA4580-V4	
C354	1-102-074-00	CERAMIC	0.001MF 10% 50V	IC302	8-759-980-60	IC TDA8442-N3	
C355	1-102-816-00	CERAMIC	120PF 5% 50V	IC331	8-759-947-20	IC TDA4555-V8	
		<IC>					

B

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<COIL>				R328	1-249-397-11	CARBON	22 5% 1/4W
L301	1-410-868-21	INDUCTOR	4.7UH	R329	1-249-397-11	CARBON	22 5% 1/4W
L302	1-410-868-21	INDUCTOR	4.7UH	R330	1-249-397-11	CARBON	22 5% 1/4W
L303	1-408-408-00	INDUCTOR	8.2UH	R331	1-249-418-11	CARBON	1.2K 5% 1/4W
L304	1-408-409-00	INDUCTOR	10UH	R332	1-249-401-11	CARBON	47 5% 1/4W
L331	1-408-408-00	INDUCTOR	8.2UH	R333	1-249-412-11	CARBON	390 5% 1/4W
L332	1-404-539-11	COIL		R334	1-249-408-11	CARBON	180 5% 1/4W
L333	1-404-554-11	COIL		R335	1-249-415-11	CARBON	680 5% 1/4W
L334	1-404-554-11	COIL		R336	1-249-418-11	CARBON	1.2K 5% 1/4W
L335	1-404-554-11	COIL		R337	1-247-848-11	CARBON	5.1K 5% 1/4W
L336	1-408-417-00	INDUCTOR	47UH	R338	1-249-429-11	CARBON	10K 5% 1/4W
L338	1-408-416-00	INDUCTOR	39UH	R339	1-249-409-11	CARBON	220 5% 1/4W
L339	1-410-868-21	INDUCTOR	4.7UH	R340	1-249-437-11	CARBON	47K 5% 1/4W
<TRANSISTOR>				R341	1-249-410-11	CARBON	270 5% 1/4W
Q302	8-729-119-78	TRANSISTOR	2SC2785-HFE	R342	1-249-429-11	CARBON	10K 5% 1/4W
Q303	8-729-119-78	TRANSISTOR	2SC2785-HFE	R343	1-249-429-11	CARBON	10K 5% 1/4W
Q305	8-729-900-36	TRANSISTOR	DTC124ES	R344	1-249-437-11	CARBON	47K 5% 1/4W
Q306	8-729-119-78	TRANSISTOR	2SC2785-HFE	R345	1-249-415-11	CARBON	680 5% 1/4W
Q311	8-729-119-78	TRANSISTOR	2SC2785-HFE	R346	1-249-415-11	CARBON	680 5% 1/4W
Q312	8-729-119-78	TRANSISTOR	2SC2785-HFE	R347	1-249-429-11	CARBON	10K 5% 1/4W
Q313	8-729-119-78	TRANSISTOR	2SC2785-HFE	R348	1-249-437-11	CARBON	47K 5% 1/4W
Q316	8-729-119-78	TRANSISTOR	2SC2785-HFE	R349	1-249-415-11	CARBON	680 5% 1/4W
Q331	8-729-119-78	TRANSISTOR	2SC2785-HFE	R350	1-249-415-11	CARBON	680 5% 1/4W
Q332	8-729-900-36	TRANSISTOR	DTC124ES	R351	1-249-409-11	CARBON	220 5% 1/4W
Q352	1-247-891-00			R352	1-247-891-00	CARBON	330K 5% 1/4W
Q313	8-729-119-78	TRANSISTOR	2SC2785-HFE	R353	1-247-891-00	CARBON	330K 5% 1/4W
Q316	8-729-119-78	TRANSISTOR	2SC2785-HFE	R354	1-249-409-11	CARBON	220 5% 1/4W
Q331	8-729-119-78	TRANSISTOR	2SC2785-HFE	R355	1-249-423-11	CARBON	3.3K 5% 1/4W
Q332	8-729-900-36	TRANSISTOR	DTC124ES	R356	1-249-427-11	CARBON	6.8K 5% 1/4W
Q333	8-729-900-36	TRANSISTOR	DTC124ES	R358	1-249-409-11	CARBON	220 5% 1/4W
Q334	8-729-119-78	TRANSISTOR	2SC2785-HFE	R359	1-249-437-11	CARBON	47K 5% 1/4W
Q335	8-729-119-78	TRANSISTOR	2SC2785-HFE	R360	1-249-437-11	CARBON	47K 5% 1/4W
Q336	8-729-119-78	TRANSISTOR	2SC2785-HFE	R361	1-249-418-11	CARBON	1.2K 5% 1/4W
Q381	8-729-900-36	TRANSISTOR	DTC124ES	R363	1-249-410-11	CARBON	270 5% 1/4W
Q382	8-729-119-78	TRANSISTOR	2SC2785-HFE	R364	1-249-417-11	CARBON	1K 5% 1/4W
Q1306	8-729-173-38	TRANSISTOR	2SA733-K	R365	1-249-417-11	CARBON	1K 5% 1/4W
<RESISTOR>				R367	1-249-409-11	CARBON	220 5% 1/4W
R301	1-249-409-11	CARBON	220 5% 1/4W	R368	1-249-417-11	CARBON	1K 5% 1/4W
R302	1-249-409-11	CARBON	220 5% 1/4W	R369	1-249-417-11	CARBON	1K 5% 1/4W
R303	1-249-409-11	CARBON	220 5% 1/4W	R370	1-249-418-11	CARBON	1.2K 5% 1/4W
R304	1-249-409-11	CARBON	220 5% 1/4W	R371	1-249-417-11	CARBON	1K 5% 1/4W
R305	1-249-421-11	CARBON	2.2K 5% 1/4W	R376	1-249-429-11	CARBON	10K 5% 1/4W
R307	1-249-441-11	CARBON	100K 5% 1/4W	R378	1-249-441-11	CARBON	100K 5% 1/4W
R308	1-249-414-11	CARBON	560 5% 1/4W	R379	1-249-441-11	CARBON	100K 5% 1/4W
R309	1-249-405-11	CARBON	100 5% 1/4W	R380	1-249-426-11	CARBON	5.6K 5% 1/4W
R310	1-249-405-11	CARBON	100 5% 1/4W	R381	1-249-439-11	CARBON	68K 5% 1/4W
R311	1-249-405-11	CARBON	100 5% 1/4W	R382	1-247-885-00	CARBON	180K 5% 1/4W
R312	1-249-409-11	CARBON	220 5% 1/4W	R383	1-247-893-11	CARBON	390K 5% 1/4W
R313	1-249-433-11	CARBON	22K 5% 1/4W	R385	1-249-435-11	CARBON	33K 5% 1/4W
R314	1-249-413-11	CARBON	470 5% 1/4W	R389	1-247-883-00	CARBON	150K 5% 1/4W
R315	1-249-407-11	CARBON	150 5% 1/4W	R390	1-249-411-11	CARBON	330 5% 1/4W
R316	1-249-407-11	CARBON	150 5% 1/4W	R391	1-249-404-00	CARBON	82 5% 1/4W
R317	1-249-407-11	CARBON	150 5% 1/4W	R392	1-249-402-11	CARBON	56 5% 1/4W
R318	1-249-429-11	CARBON	10K 5% 1/4W	R393	1-249-402-11	CARBON	56 5% 1/4W
R319	1-249-409-11	CARBON	220 5% 1/4W	R394	1-249-402-11	CARBON	56 5% 1/4W
R320	1-249-417-11	CARBON	1K 5% 1/4W	R398	1-249-433-11	CARBON	22K 5% 1/4W
R321	1-249-421-11	CARBON	2.2K 5% 1/4W	R1324	1-249-419-11	CARBON	1.5K 5% 1/4W
R322	1-249-420-11	CARBON	1.8K 5% 1/4W	<VARIABLE RESISTOR>			
R323	1-249-421-11	CARBON	2.2K 5% 1/4W	RV331	1-238-009-11	RES, ADJ, CARBON	220
R324	1-249-426-11	CARBON	5.6K 5% 1/4W				
R325	1-249-429-11	CARBON	10K 5% 1/4W				
R326	1-249-419-11	CARBON	1.5K 5% 1/4W				
R327	1-249-427-11	CARBON	6.8K 5% 1/4W				

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
<TRANSFORMER>											
T331	1-404-584-11	COIL		<THERMISTOR>							
<CRYSTAL>											
X331	1-567-307-11	OSCILLATOR, CRYSTAL		THP601 Δ 1-808-059-31 THERMISTOR, POSITIVE							
X332	1-567-131-00	OSCILLATOR, CRYSTAL		*****							

*1-629-720-21	F2 BOARD		*****	*A-1296-476-A A BOARD, COMPLETE							

<CONNECTOR>											
CNF262*	1-566-664-11	PIN, CONNECTOR 4P		C101	1-126-233-11	ELECT	22MF	20%	50V		
				C102	1-126-103-11	ELECT	470MF	20%	16V		
				C103	1-106-220-00	MYLAR	0.1MF	10%	100V		
				C104	1-106-216-00	MYLAR	0.068MF	10%	100V		
				C105	1-106-216-00	MYLAR	0.068MF	10%	100V		

<SWITCH>											
S1701 Δ	1-571-410-11	SWITCH, PUSH (AC POWER) (1 KEY)		C106	1-101-004-00	CERAMIC	0.01MF		50V		

*1-629-719-21	F1 BOARD		*****	C107	1-102-963-00	CERAMIC	33PF	5%	50V		

<CAPACITOR>											
C1601 Δ	1-136-518-11	FILM	0.33MF	C108	1-124-963-11	ELECT	33MF	20%	16V		
C1602 Δ	1-136-519-11	FILM	0.47MF	C109	1-101-003-00	CERAMIC	0.0047MF		50V		
C1603 Δ	1-162-578-51	CERAMIC	0.0047MF	C110	1-124-499-11	ELECT	1MF	20%	50V		
C1604 Δ	1-162-578-51	CERAMIC	0.0047MF	C111	1-101-003-00	CERAMIC	0.0047MF		50V		
C1605 Δ	1-162-578-51	CERAMIC	0.0047MF	C112	1-101-003-00	CERAMIC	0.0047MF		50V		
C1606 Δ	1-162-578-51	CERAMIC	0.0047MF	C113	1-101-003-00	CERAMIC	0.0047MF		50V		
C1607 Δ	1-161-964-61	CERAMIC	0.0047MF	C114	1-124-963-11	ELECT	33MF	20%	16V		

<CONNECTOR>											
CNF61	*1-566-664-11	PIN, CONNECTOR 4P		C118	1-101-880-00	CERAMIC	47PF	5%	50V		
CNF64	*1-506-348-XX	PIN, CONNECTOR 3P		C119	1-126-101-11	ELECT	100MF	20%	16V		
CNF65	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		C120	1-124-925-11	ELECT	2.2MF	20%	50V		
CNF66	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		C121	1-101-003-00	CERAMIC	0.0047MF		50V		
CNF67	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		C122	1-101-003-00	CERAMIC	0.0047MF		50V		
CNF162*	1-506-348-XX	PIN, CONNECTOR 4P		C123	1-101-003-00	CERAMIC	0.0047MF		50V		

<FUSE>											
F1601 Δ	1-532-350-11	FUSE, TIME-LAG 4A/250V		C124	1-101-888-00	CERAMIC	68PF	5%	50V		

<FILTER>											
LF1601 Δ	1-421-866-12	LFT		C125	1-101-888-00	CERAMIC	68PF	5%	50V		
LF1602 Δ	1-421-776-11	LFT		C126	1-101-003-00	CERAMIC	0.0047MF		50V		
LF1603 Δ	1-421-592-11	TRANSFORMER, FERRITE		C127	1-124-963-11	ELECT	33MF	20%	16V		

<RESISTOR>											
R1601 Δ	1-246-513-75	CARBON	47K	C128	1-124-963-11	ELECT	33MF	20%	16V		
R1602 Δ	1-244-945-91	CARBON	1M	C129	1-101-888-00	CERAMIC	47PF	5%	50V		
R1603 Δ	1-217-328-11	WIREWOUND	2.7	C130	1-101-004-00	CERAMIC	0.01MF		50V		
R1604 Δ	1-246-513-75	CARBON	47K	C131	1-101-006-00	CERAMIC	0.047MF		50V		
R1605 Δ	1-218-265-91	METAL GLAZE	8.2M	C132	1-124-499-11	ELECT	1MF	20%	50V		

<TRANSFORMER>											
R1601 Δ	1-246-513-75	CARBON	47K	C133	1-101-003-00	CERAMIC	0.0047MF		50V		
R1602 Δ	1-244-945-91	CARBON	1M	C134	1-124-499-11	ELECT	1MF	20%	50V		

<CAPACITOR>											
C140	1-108-614-11	MYLAR		C135	1-101-004-00	CERAMIC	0.01MF	10%	100V		
C141	1-136-298-00	FILM		C136	1-101-006-00	CERAMIC	0.047MF	2%	100V		
C142	1-102-816-00	CERAMIC		C137	1-101-880-00	CERAMIC	47PF	5%	50V		
C143	1-101-361-00	CERAMIC		C138	1-124-925-11	ELECT	2.2MF	20%	50V		
C144	1-124-477-11	ELECT		C139	1-123-875-11	ELECT	10MF	20%	50V		

<TRANSFORMER>											
C145	1-124-477-11	ELECT		C140	1-124-477-11	ELECT	47MF	20%	16V		
C146	1-124-477-11	ELECT		C141	1-124-477-11	ELECT	47MF	20%	16V		
C147	1-124-477-11	ELECT		C142	1-124-477-11	ELECT	47MF	20%	16V		
C148	1-123-875-11	ELECT		C143	1-123-875-11	ELECT	10MF	20%	50V		
C149	1-136-153-00	FILM		C144	1-136-153-00	FILM	0.01MF	5%	50V		

<TRANSFORMER>											
C150	1-136-153-00	FILM		C151	1-126-233-11	ELECT	22MF	20%	50V		
C151	1-126-233-11	ELECT		C152	1-126-233-11	ELECT	22MF	20%	50V		
C152	1-126-233-11	ELECT		C153	1-136-165-00	FILM	0.1MF	5%	50V		
C153	1-136-165-00	FILM		C154	1-136-169-00	FILM	0.22MF	5%	50V		

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REF.NO.	PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C155	1-124-963-11	ELECT	33MF	20%	16V	Q101	8-729-900-61	TRANSISTOR DTA114ES
C156	1-136-157-00	FILM	0.022MF	5%	50V	Q102	8-729-900-61	TRANSISTOR DTA114ES
C157	1-136-161-00	FILM	0.047MF	5%	50V	Q103	8-729-900-61	TRANSISTOR DTA114ES
C158	1-124-963-11	ELECT	33MF	20%	16V	Q104	8-729-900-61	TRANSISTOR DTA114ES
C159	1-124-477-11	ELECT	47MF	20%	16V	Q105	8-729-119-78	TRANSISTOR 2SC2785-HFE
C161	1-124-477-11	ELECT	47MF	20%	16V	Q106	8-729-119-78	TRANSISTOR 2SC2785-HFE
C162	1-102-816-00	CERAMIC	120PF	5%	50V	Q107	8-729-173-38	TRANSISTOR 2SA733-K
C163	1-124-927-11	ELECT	4.7MF	20%	50V	Q108	8-729-900-65	TRANSISTOR DTA144ES
C164	1-106-367-00	MYLAR	0.01MF	10%	400V	Q109	8-729-900-89	TRANSISTOR DTC144ES
C165	1-136-287-11	FILM	0.0047MF	5%	50V	Q110	8-729-173-38	TRANSISTOR 2SA733-K
C167	1-124-499-11	ELECT	1MF	20%	50V	Q111	8-729-900-89	TRANSISTOR DTC144ES
C168	1-106-228-00	MYLAR	0.22MF	10%	100V	Q112	8-729-119-78	TRANSISTOR 2SC2785-HFE
C169	1-123-875-11	ELECT	10MF	20%	50V	Q113	8-729-119-78	TRANSISTOR 2SC2785-HFE
C174	1-124-499-11	ELECT	1MF	20%	50V	Q116	8-729-900-65	TRANSISTOR DTA144ES
C177	1-102-119-00	CERAMIC	0.0015MF	10%	50V	Q117	8-729-173-38	TRANSISTOR 2SA733-K
C187	1-101-003-00	CERAMIC	0.0047MF		50V	<RESISTOR>		
C188	1-124-963-11	ELECT	33MF	20%	16V	R101	1-249-405-11	CARBON
C189	1-124-963-11	ELECT	33MF	20%	16V	R102	1-249-423-11	CARBON
C190	1-106-220-00	MYLAR	0.1MF	10%	100V	R103	1-249-433-11	CARBON
						R104	1-249-429-11	CARBON
						R105	1-249-418-11	CARBON
CD102	1-404-745-11	DISCRIMINATOR, CERAMIC				R106	1-247-891-00	CARBON
CD103	1-404-746-11	DISCRIMINATOR, CERAMIC				R107	1-249-421-11	CARBON
CF101	1-404-134-00	TRAP, CERAMIC (5.5MHZ)				R108	1-249-421-11	CARBON
CF103	1-527-840-00	FILTER, CERAMIC				R109	1-249-423-11	CARBON
CF104	1-527-839-00	FILTER, CERAMIC				R110	1-249-410-11	CARBON
SWF101	1-577-254-11	SAWF				R111	1-249-418-11	CARBON
						R112	1-249-421-11	CARBON
						R114	1-249-413-11	CARBON
						R115	1-249-413-11	CARBON
						R116	1-249-419-11	CARBON
						R117	1-249-431-11	CARBON
						R118	1-249-425-11	CARBON
						R119	1-249-417-11	CARBON
D105	8-719-109-92	DIODE RD.2ES-B1				R121	1-249-429-11	CARBON
D106	8-719-911-19	DIODE 1SS119				R122	1-249-436-11	CARBON
D108	8-719-000-06	DIODE MC921				R123	1-249-417-11	CARBON
D110	8-719-911-19	DIODE 1SS119				R124	1-249-423-11	CARBON
D111	8-719-109-68	DIODE RD3.6ES-B1				R125	1-249-429-11	CARBON
						R126	1-249-436-11	CARBON
						R127	1-249-432-11	CARBON
						R128	1-249-432-11	CARBON
						R129	1-249-429-11	CARBON
						R130	1-249-429-11	CARBON
						R132	1-249-414-11	CARBON
						R133	1-249-425-11	CARBON
						R134	1-249-414-11	CARBON
						R135	1-249-419-11	CARBON
L101	1-408-226-00	INDUCTOR	82UH			R136	1-249-414-11	CARBON
L102	1-410-116-11	INDUCTOR	0.56MMH			R137	1-249-414-11	CARBON
L103	1-408-406-00	INDUCTOR	5.6UH			R138	1-249-419-11	CARBON
L104	1-408-411-00	INDUCTOR	15UH			R139	1-249-431-11	CARBON
L106	1-408-415-00	INDUCTOR	33UH			R140	1-249-441-11	CARBON
L107	1-408-406-00	INDUCTOR	5.6UH			R141	1-249-425-11	CARBON
L108	1-408-412-00	INDUCTOR	18UH			R142	1-249-441-11	CARBON
L109	1-408-412-00	INDUCTOR	18UH			R143	1-249-441-11	CARBON
L110	1-410-064-11	INDUCTOR	2.7MMH			R144	1-249-422-11	CARBON
L111	1-408-421-00	INDUCTOR	100UH			R146	1-249-424-11	CARBON
L113	1-408-399-00	INDUCTOR	1.5UH			R148	1-249-413-11	CARBON
						R150	1-249-423-11	CARBON
						R151	1-249-423-11	CARBON
						R152	1-249-431-11	CARBON

A**C**

REF. NO.	PART NO.	DESCRIPTION				REMARK	REF. NO.	PART NO.	DESCRIPTION				REMARK
R153	1-249-416-11	CARBON	820	5%	1/4W		D707	8-719-911-19	DIODE	ISS119			
R154	1-249-441-11	CARBON	100K	5%	1/4W		D708	8-719-911-19	DIODE	ISS119			
R155	1-249-430-11	CARBON	12K	5%	1/4W		D709	8-719-911-19	DIODE	ISS119			
R156	1-247-881-00	CARBON	120K	5%	1/4W		D710	8-719-911-19	DIODE	ISS119			
R163	1-249-424-11	CARBON	3.9K	5%	1/4W		D711	8-719-925-06	DIODE	ERC25-06S			
R165	1-249-423-11	CARBON	3.3K	5%	1/4W		D713	8-719-911-19	DIODE	ISS119			
R166	1-249-437-11	CARBON	47K	5%	1/4W								
R174	1-249-429-11	CARBON	10K	5%	1/4W								
R175	1-249-429-11	CARBON	10K	5%	1/4W								
R188	1-249-419-11	CARBON	1.5K	5%	1/4W								
R189	1-249-419-11	CARBON	1.5K	5%	1/4W		J701	1-526-798-51	SOCKET, PICTURE TUBE				
<VARIABLE RESISTOR>													
RV101	1-237-753-11	RES, ADJ, CARBON	47K				L704	1-410-878-21	INDUCTOR		33UH		
RV102	1-237-751-11	RES, ADJ, CARBON	10K										
RV103	1-237-753-11	RES, ADJ, CARBON	47K										
<TRANSFORMER>													
T101	1-404-493-00	COIL					Q702	8-729-119-78	TRANSISTOR	2SC2785-HFE			
T102	1-404-493-00	COIL					Q703	8-729-326-11	TRANSISTOR	2SC2611			
T103	1-404-493-00	COIL					Q704	8-729-200-17	TRANSISTOR	2SA1091			

*A-1330-850-A		C BOARD, COMPLETE					Q705	8-729-119-78	TRANSISTOR	2SC2785-HFE			
*****							Q706	8-729-326-11	TRANSISTOR	2SC2611			
*4-379-160-01		COVER (REAR LID), CV					Q707	8-729-200-17	TRANSISTOR	2SA1091			
*4-379-167-01		COVER (MAIN), CV					Q708	8-729-119-78	TRANSISTOR	2SC2785-HFE			
*4-386-664-01		SPRING					Q709	8-729-326-11	TRANSISTOR	2SC2611			
<CAPACITOR>													
C703	1-102-980-00	CERAMIC	270PF	5%	50V		R704	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
C704	1-102-116-00	CERAMIC	680PF	10%	50V		R705	1-202-824-00	SOLID	3.3K	10%	1/2W	
C705	1-102-976-00	CERAMIC	180PF	5%	50V		R706	1-249-409-11	CARBON	220	5%	1/4W	
C706	1-102-116-00	CERAMIC	680PF	10%	50V		R707	1-247-822-11	CARBON	430	5%	1/4W	
C707	1-162-116-00	CERAMIC	680PF	10%	2KV		R708	1-249-401-11	CARBON	47	5%	1/4W	
C708	1-162-114-00	CERAMIC	0.0047MF		2KV		R709	1-202-844-00	SOLID	330K	10%	1/2W	
C709	1-102-116-00	CERAMIC	680PF	10%	50V		R710	1-215-469-00	METAL	100K	1%	1/6W	
C710	1-123-947-00	ELECT	10MF	20%	250V		R712	1-249-417-11	CARBON	1K	5%	1/4W	
C711	1-101-880-00	CERAMIC	47PF	5%	50V		R713	1-215-474-00	METAL	160K	1%	1/6W	
C712	1-102-980-00	CERAMIC	270PF	5%	50V		R714	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
C714	1-124-360-00	ELECT	1000MF	20%	16V		R715	1-202-824-00	SOLID	3.3K	10%	1/2W	
C716	1-162-622-11	CERAMIC	330PF	10%	400V		R716	1-249-409-11	CARBON	220	5%	1/4W	
C717	1-102-114-00	CERAMIC	470PF	10%	50V		R717	1-249-415-11	CARBON	680	5%	1/4W	
C718	1-102-114-00	CERAMIC	470PF	10%	50V		R718	1-202-814-11	SOLID	33K	10%	1/2W	
C719	1-102-114-00	CERAMIC	470PF	10%	50V		R719	1-249-401-11	CARBON	47	5%	1/4W	
<CONNECTOR>													
CNC71	*1-506-371-00	PIN, CONNECTOR 2P					R725	1-202-838-00	SOLID	100K	10%	1/2W	
CNC72	*1-564-883-11	PLUG, CONNECTOR 6P					R726	1-202-824-00	SOLID	3.3K	10%	1/2W	
CNC81	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)					R727	1-249-409-11	CARBON	220	5%	1/4W	
CNC82	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P					R728	1-216-347-11	METAL OXIDE	0.68	5%	1W	F
<DIODE>													
D701	8-719-110-14	DIODE RD9.1ES-B3					R729	1-249-416-11	CARBON	820	5%	1/4W	
D702	8-719-911-19	DIODE ISS119					R730	1-249-401-11	CARBON	47	5%	1/4W	
D703	8-719-911-19	DIODE ISS119					R731	1-249-423-11	CARBON	3.3K	5%	1/4W	
D704	8-719-911-19	DIODE ISS119					R732	1-249-415-11	CARBON	680	5%	1/4W	
D705	8-719-911-19	DIODE ISS119					R733	1-249-415-11	CARBON	680	5%	1/4W	
D706	8-719-911-19	DIODE ISS119					R734	1-249-405-11	CARBON	100	5%	1/4W	
							R735	1-215-493-00	METAL	1M	1%	1/6W	
							R736	1-216-486-00	METAL OXIDE	8.2K	5%	3W	F
							R737	1-215-487-00	METAL	560K	1%	1/6W	
							R739	1-249-417-11	CARBON	1K	5%	1/4W	

C **D**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<VARIABLE RESISTOR>							
RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M		C508	1-106-375-12	MYLAR	0.022MF
RV702	1-230-619-11	RES, ADJ, METAL GLAZE 110M		C509	1-106-220-00	MYLAR	0.1MF
RV703	1-237-749-11	RES, ADJ, CARBON 2200		C510	1-161-959-00	CERAMIC	22PF
RV704	1-237-749-11	RES, ADJ, CARBON 2200		C511	1-108-620-11	MYLAR	0.0033MF
				C512	1-106-220-00	MYLAR	0.1MF
				C513	1-108-614-11	MYLAR	0.001MF
				C514	1-106-228-00	MYLAR	0.22MF

*A-1345-721-A	D BOARD, COMPLETE	*****		C515	1-124-499-11	ELECT	1MF
		*****		C516	1-108-614-11	MYLAR	0.001MF
				C517	1-124-252-00	ELECT	0.33MF
				C518	1-124-902-00	ELECT	0.47MF
				C519	1-136-173-00	FILM	0.47MF
				C520	1-102-121-00	CERAMIC	0.0022MF
				C521	1-106-220-00	MYLAR	0.1MF
				C522	1-124-122-11	ELECT	100MF
				C523	1-108-614-11	MYLAR	0.001MF
				C524	1-108-798-11	MYLAR	0.0033MF
C001	1-102-973-00	CERAMIC	100PF	5%	50V		5%
C003	1-106-220-00	MYLAR	0.1MF	10%	100V		
C004	1-123-875-11	ELECT	10MF	20%	50V		
C005	1-102-074-00	CERAMIC	0.001MF	10%	50V		
C007	1-106-383-00	MYLAR	0.047MF	10%	100V		
C008	1-101-880-00	CERAMIC	47PF	5%	50V		
C009	1-101-884-00	CERAMIC	56PF	5%	50V		
C010	1-124-122-11	ELECT	100MF	20%	50V		
C011	1-101-004-00	CERAMIC	0.01MF		50V		
C012	1-124-122-11	ELECT	100MF	20%	50V		
C013	1-101-004-00	CERAMIC	0.01MF		50V		
C014	1-124-463-00	ELECT	0.1MF	20%	50V		
C015	1-124-910-11	ELECT	47MF	20%	50V		
C016	1-101-004-00	CERAMIC	0.01MF		50V		
C017	1-123-875-11	ELECT	10MF	20%	50V		
C018	1-102-980-00	CERAMIC	270PF	5%	50V		
C019	1-106-383-00	MYLAR	0.047MF	10%	100V		
C020	1-102-973-00	CERAMIC	100PF	5%	50V		
C021	1-102-973-00	CERAMIC	100PF	5%	50V		
C022	1-124-910-11	ELECT	47MF	20%	50V		
C023	1-124-499-11	ELECT	1MF	20%	50V		
C024	1-124-499-11	ELECT	1MF	20%	50V		
C025	1-102-125-00	CERAMIC	0.0047MF	10%	50V		
C026	1-102-125-00	CERAMIC	0.0047MF	10%	50V		
C027	1-106-220-00	MYLAR	0.1MF	10%	100V		
C028	1-101-361-00	CERAMIC	150PF	5%	50V		
C029	1-102-121-00	CERAMIC	0.0022MF	10%	50V		
C030	1-102-952-00	CERAMIC	18PF	5%	50V		
C251	1-124-927-11	ELECT	4.7MF	20%	50V		
C252	1-124-927-11	ELECT	4.7MF	20%	50V		
C253	1-124-122-11	ELECT	100MF	20%	50V		
C254	1-124-927-11	ELECT	4.7MF	20%	50V		
C255	1-124-927-11	ELECT	4.7MF	20%	50V		
C256	1-106-220-00	MYLAR	0.1MF	10%	100V		
C257	1-101-004-00	CERAMIC	0.01MF		50V		
C258	1-106-220-00	MYLAR	0.1MF	10%	100V		
C260	1-106-220-00	MYLAR	0.1MF	10%	100V		
C265	1-102-074-00	CERAMIC	0.001MF	10%	50V		
C266	1-102-074-00	CERAMIC	0.001MF	10%	50V		
C401	1-124-910-11	ELECT	47MF	20%	50V		
C403	1-124-910-11	ELECT	47MF	20%	50V		
C501	1-124-927-11	ELECT	4.7MF	20%	50V		
C502	1-124-927-11	ELECT	4.7MF	20%	50V		
C503	1-106-371-00	MYLAR	0.015MF	10%	400V		
C504	1-101-361-00	CERAMIC	150PF	5%	50V		
C505	1-108-794-11	MYLAR	0.0015MF	5%	50V		
C506	1-106-375-12	MYLAR	0.022MF	10%	250V		
C507	1-130-783-00	MYLAR	0.33MF	10%	100V		
				C805	1-162-114-00	CERAMIC	0.0047MF

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D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
C806	1-106-220-00	MYLAR	0.1MF	10%	100V	D506	8-719-000-12	DIODE MC931
C807	1-106-395-00	MYLAR	0.15MF	10%	200V	D508	8-719-911-19	DIODE ISS119
C810	1-124-494-00	ELECT	33MF		160V	D511	8-719-911-55	DIODE U05G
C811	1-136-111-00	FILM	1MF	5%	200V	D512	8-719-911-55	DIODE U05G
C812	1-124-634-11	ELECT	1MF	20%	250V	D513	8-719-109-81	DIODE RD4.7ES-B2
C813	1-102-212-00	CERAMIC	820PF	10%	500V	D591	8-719-911-19	DIODE ISS119
C814	1-161-754-00	CERAMIC	0.001MF	10%	2KV	D592	8-719-911-19	DIODE ISS119
C815	1-136-111-00	FILM	1MF	5%	200V	D593	8-719-911-19	DIODE ISS119
C817	1-136-549-11	FILM	0.0106MF	3%	1.4KV	D601	8-719-946-90	DIODE KBU4JL-6088
C818	1-136-759-11	FILM	0.039MF	10%	630V	D602	8-719-925-06	DIODE ERC25-06S
C819 A	1-161-731-11	CERAMIC	0.001MF	10%	2KV	D603	8-719-911-55	DIODE U05G
C820	1-106-218-00	MYLAR	0.0082MF	10%	400V	D604	8-719-911-55	DIODE U05G
C821 A	1-162-116-51	CERAMIC	680PF	10%	2KV	D605	8-719-911-55	DIODE U05G
C822	1-102-114-00	CERAMIC	470PF	10%	50V	D606	8-719-925-06	DIODE ERC25-06S
C823	1-106-359-00	MYLAR	0.0047MF	10%	400V	D607	8-719-925-06	DIODE ERC25-06S
C824	1-102-212-00	CERAMIC	820PF	10%	500V	D608	8-719-925-06	DIODE ERC25-06S
C825	1-106-375-12	MYLAR	0.022MF	10%	250V	D610	8-719-300-59	DIODE CTU-12S
C826	1-123-875-11	ELECT	10MF	20%	50V	D611	8-719-928-08	DIODE ERD28-06S
						D612	8-719-300-59	DIODE CTU-12S
						D613	8-719-925-06	DIODE ERC25-06S
						D614	8-719-925-06	DIODE ERC25-06S
<FILTER>								
CF001	1-567-686-11	OSCILLATOR, CERAMIC				D615	8-719-109-90	DIODE RD5.6ES-B3
CF501	1-567-888-11	OSCILLATOR, CERAMIC				D616	8-719-109-93	DIODE RD6.2ES-B2
<CONNECTOR>								
CN801	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P				D618	8-719-109-89	DIODE RD5.6ES-B2
CND01	*1-564-884-11	PLUG, CONNECTOR 7P				D620	8-719-000-12	DIODE MC931
CND02	*1-564-886-11	PLUG, CONNECTOR 9P				D622	8-719-911-19	DIODE ISS119
CND11	*1-566-660-11	CONNECTOR, HINGE (PLUG) 18P				D623	8-719-911-19	DIODE ISS119
CND12	*1-564-884-11	PLUG, CONNECTOR 7P				D624	8-719-911-19	DIODE ISS119
CND18	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)				D627	8-719-911-19	DIODE ISS119
CND19	*1-564-881-11	PLUG, CONNECTOR 4P				D630	8-719-110-39	DIODE RD15ES-B1
CND21	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P				D632	8-719-110-16	DIODE RD10ES-B1
CND23	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)				D633	8-719-911-19	DIODE ISS119
CND31	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P				D801	8-719-925-06	DIODE ERC25-06S
CND41	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)				D802	8-719-925-06	DIODE ERC25-06S
CND45	*1-564-882-11	PLUG, CONNECTOR 5P				D803	8-719-300-65	DIODE ES1F
CND51	*1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)				D804	8-719-911-55	DIODE U05G
CND64	*1-506-348-XX	PIN, CONNECTOR 3P				D805	8-719-911-55	DIODE U05G
CND68	*1-564-879-11	PLUG, CONNECTOR 2P				D806	8-719-945-80	DIODE ERC06-15S
CND82	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P				D808	8-719-928-08	DIODE ERD28-08S
CND83	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P				D809	8-719-925-06	DIODE ERC25-06S
CND84	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P						
CND91	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P						
CND92	*1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P						
CND94	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)						
<DIODE>								
D001	8-719-911-19	DIODE ISS119				IC001	8-759-630-06	IC M50436-614SP
D002	8-719-911-19	DIODE ISS119				IC002	8-759-979-57	IC MB88503H-1022G
D003	8-719-911-19	DIODE ISS119				IC003	8-759-603-41	IC M58655P
D004	8-719-911-19	DIODE ISS119				IC004	8-759-157-40	IC UPC574J
D005	8-719-109-71	DIODE RD3.9ES-B1				IC251	8-759-803-31	IC LA4280
D007	8-719-109-89	DIODE RD5.6ES-B2						
D008	8-719-110-85	DIODE RD36ES-B4						
D009	8-719-109-89	DIODE RD5.6ES-B2				IC401	*4-368-683-01	SPRING; IC251
D011	8-719-911-19	DIODE ISS119				IC501	8-752-006-12	IC CX20061
D012	8-719-911-19	DIODE ISS119				IC501	8-759-970-73	IC TEA2028B
D013	8-719-911-19	DIODE ISS119				IC502	8-759-944-57	IC TDA8170
D254	8-719-110-14	DIODE RD9.1ES-B3						
D501	8-719-911-19	DIODE ISS119						
D504	8-719-911-55	DIODE U05G						
<IC>								
						IC601	8-759-946-23	IC TEA2164
						IC608	8-759-700-06	IC UPC7812H
<COIL>								
L001	1-408-414-00	INDUCTOR				L501	1-408-225-00	INDUCTOR
								27UH
						L601	*1-420-872-00	COIL, AIR CORE
						L602	1-410-396-41	FERRITE BEAD INDUCTOR
						L603	1-410-396-41	FERRITE BEAD INDUCTOR

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D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
L605	1-459-442-00	COIL (WITH CORE)		R018	1-249-417-11	CARBON	1K 5% 1/4W
L606	1-421-013-00	COIL, (HORIZONTAL CHOKES) 25UH		R019	1-249-433-11	CARBON	22K 5% 1/4W
L607	1-408-421-00	INDUCTOR 100UH		R020	1-249-433-11	CARBON	22K 5% 1/4W
L803	1-459-104-00	COIL, DUST CORE		R021	1-249-433-11	CARBON	22K 5% 1/4W
L804	1-408-239-00	INDUCTOR 4.7MMH		R022	1-249-433-11	CARBON	22K 5% 1/4W
L805	1-459-652-12	HLC		R023	1-249-429-11	CARBON	10K 5% 1/4W
L806	1-459-115-00	COIL, DCC-H		R024	1-249-429-11	CARBON	10K 5% 1/4W
L807	1-407-504-00	INDUCTOR 10MMH		R025	1-249-417-11	CARBON	1K 5% 1/4W
L809	*1-420-872-00	COIL, AIR CORE		R026	1-249-417-11	CARBON	1K 5% 1/4W
L810	1-459-390-00	COIL (WITH CORE)		R027	1-249-417-11	CARBON	1K 5% 1/4W
<IC LINK>				R028	1-249-417-11	CARBON	1K 5% 1/4W
PS601A	1-532-984-91	LINK, IC 2A		R029	1-249-417-11	CARBON	1K 5% 1/4W
PS602A	1-532-675-91	LINK, IC 1.5A		R030	1-249-425-11	CARBON	4.7K 5% 1/4W
<TRANSISTOR>				R031	1-249-429-11	CARBON	10K 5% 1/4W
Q001	8-729-600-24	TRANSISTOR 2SC403SP-51		R032	1-249-417-11	CARBON	1K 5% 1/4W
Q002	8-729-173-38	TRANSISTOR 2SA733-K		R033	1-249-413-11	CARBON	470 5% 1/4W
Q003	8-729-173-38	TRANSISTOR 2SA733-K		R034	1-249-413-11	CARBON	470 5% 1/4W
Q004	8-729-173-38	TRANSISTOR 2SA733-K		R035	1-249-431-11	CARBON	15K 5% 1/4W
Q252	8-729-900-36	TRANSISTOR DTC124ES		R036	1-249-421-11	CARBON	2.2K 5% 1/4W
Q501	8-729-173-38	TRANSISTOR 2SA733-K		R037	1-249-417-11	CARBON	1K 5% 1/4W
Q502	8-729-173-38	TRANSISTOR 2SA733-K		R038	1-249-417-11	CARBON	1K 5% 1/4W
Q503	8-729-119-78	TRANSISTOR 2SC2785-HFE		R039	1-249-417-11	CARBON	1K 5% 1/4W
Q505	8-729-114-96	TRANSISTOR 2SD774-34		R040	1-249-417-11	CARBON	1K 5% 1/4W
Q506	8-729-140-97	TRANSISTOR 2SB734-34		R041	1-249-417-11	CARBON	1K 5% 1/4W
Q507	8-729-173-38	TRANSISTOR 2SA733-K		R042	1-249-417-11	CARBON	1K 5% 1/4W
Q591	8-729-119-78	TRANSISTOR 2SC2785-HFE		R043	1-249-417-11	CARBON	1K 5% 1/4W
Q598	8-729-119-78	TRANSISTOR 2SC2785-HFE		R044	1-249-429-11	CARBON	10K 5% 1/4W
Q601	8-729-122-03	TRANSISTOR 2SA1220A-Q		R045	1-249-417-11	CARBON	1K 5% 1/4W
Q602	8-729-209-02	TRANSISTOR 2SD1548-LB		R046	1-249-429-11	CARBON	10K 5% 1/4W
*4-368-683-01 SPRING; Q602				R047	1-249-409-11	CARBON	220 5% 1/4W
Q603	8-729-820-15	TRANSISTOR 2SB1185-E		R048	1-249-417-11	CARBON	1K 5% 1/4W
Q604	8-729-308-92	TRANSISTOR 2SD789-03C		R049	1-249-417-11	CARBON	1K 5% 1/4W
Q605	8-729-119-78	TRANSISTOR 2SC2785-HFE		R050	1-249-433-11	CARBON	22K 5% 1/4W
Q606	8-729-119-78	TRANSISTOR 2SC2785-HFE		R051	1-249-429-11	CARBON	10K 5% 1/4W
Q607	8-729-920-92	TRANSISTOR 2SD2096-EF		R052	1-249-439-11	CARBON	68K 5% 1/4W
Q608	*4-368-683-01	SPRING		R053	1-249-437-11	CARBON	47K 5% 1/4W
Q609	8-729-308-92	TRANSISTOR 2SD789-03C		R054	1-249-417-11	CARBON	1K 5% 1/4W
Q801	8-729-119-78	TRANSISTOR 2SC2785-HFE		R055	1-249-433-11	CARBON	22K 5% 1/4W
Q804	8-729-304-50	TRANSISTOR 2SD1941-06		R056	1-249-440-11	CARBON	82K 5% 1/4W
*4-368-683-01 SPRING; Q804				R057	1-249-409-11	CARBON	220 5% 1/4W
Q805	8-729-119-80	TRANSISTOR 2SC2688-LK		R058	1-249-409-11	CARBON	220 5% 1/4W
<RESISTOR>				R059	1-249-435-11	CARBON	33K 5% 1/4W
R001	1-249-417-11	CARBON 1K 5% 1/4W		R060	1-249-436-11	CARBON	39K 5% 1/4W
R002	1-249-417-11	CARBON 1K 5% 1/4W		R061	1-249-417-11	CARBON	1K 5% 1/4W
R003	1-249-417-11	CARBON 1K 5% 1/4W		R062	1-249-411-11	CARBON	330 5% 1/4W
R004	1-249-417-11	CARBON 1K 5% 1/4W		R063	1-249-431-11	CARBON	15K 5% 1/4W
R005	1-249-407-11	CARBON 150 5% 1/4W		R064	1-249-429-11	CARBON	10K 5% 1/4W
R006	1-249-417-11	CARBON 1K 5% 1/4W		R065	1-249-413-11	CARBON	470 5% 1/4W
R007	1-249-405-11	CARBON 100 5% 1/4W		R066	1-249-421-11	CARBON	2.2K 5% 1/4W
R008	1-249-417-11	CARBON 1K 5% 1/4W		R067	1-249-413-11	CARBON	470 5% 1/4W
R009	1-249-417-11	CARBON 1K 5% 1/4W		R068	1-249-421-11	CARBON	2.2K 5% 1/4W
R010	1-249-413-11	CARBON 470 5% 1/4W		R069	1-249-423-11	CARBON	3.3K 5% 1/4W
R011	1-249-417-11	CARBON 1K 5% 1/4W		R070	1-249-417-11	CARBON	1K 5% 1/4W
R012	1-249-417-11	CARBON 1K 5% 1/4W		R071	1-249-417-11	CARBON	1K 5% 1/4W
R013	1-249-417-11	CARBON 1K 5% 1/4W		R072	1-249-417-11	CARBON	1K 5% 1/4W
R014	1-249-417-11	CARBON 1K 5% 1/4W		R073	1-249-417-11	CARBON	1K 5% 1/4W
R015	1-249-429-11	CARBON 10K 5% 1/4W		R074	1-249-417-11	CARBON	1K 5% 1/4W
R016	1-249-429-11	CARBON 470 5% 1/4W		R075	1-249-417-11	CARBON	1K 5% 1/4W
R017	1-249-417-11	CARBON 1K 5% 1/4W		R076	1-249-413-11	CARBON	470 5% 1/4W
				R077	1-249-423-11	CARBON	3.3K 5% 1/4W
				R078	1-249-423-11	CARBON	3.3K 5% 1/4W
				R079	1-249-435-11	CARBON	33K 5% 1/4W
				R080	1-249-429-11	CARBON	10K 5% 1/4W
				R081	1-249-441-11	CARBON	100K 5% 1/4W
				R082	1-249-409-11	CARBON	220 5% 1/4W
				R083	1-249-429-11	CARBON	10K 5% 1/4W
				R084	1-249-413-11	CARBON	470 5% 1/4W

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R085	1-249-429-11	CARBON	10K 5% 1/4W	R537	1-249-434-11	CARBON	27K 5% 1/4W
R086	1-249-417-11	CARBON	1K 5% 1/4W	R538	1-247-883-00	CARBON	150K 5% 1/4W
R087	1-249-417-11	CARBON	1K 5% 1/4W	R539	1-247-883-00	CARBON	150K 5% 1/4W
R088	1-249-425-11	CARBON	4.7K 5% 1/4W	R540	1-249-399-11	CARBON	33 5% 1/4W
R090	1-249-413-11	CARBON	470 5% 1/4W	R541	1-249-438-11	CARBON	56K 5% 1/4W
R091	1-249-409-11	CARBON	220 5% 1/4W	R542	1-249-425-11	CARBON	4.7K 5% 1/4W
R093	1-249-429-11	CARBON	10K 5% 1/4W	R543	1-249-451-11	CARBON	2.2 5% 1/4W
R094	1-249-429-11	CARBON	10K 5% 1/4W	R544	1-247-745-11	CARBON	330 5% 1/2W
R095	1-249-409-11	CARBON	220 5% 1/4W	R545	1-249-436-11	CARBON	39K 5% 1/4W
R096	1-249-409-11	CARBON	220 5% 1/4W	R546	1-249-434-11	CARBON	27K 5% 1/4W
R097	1-249-429-11	CARBON	10K 5% 1/4W	R547	1-249-426-11	CARBON	5.6K 5% 1/4W
R098	1-249-429-11	CARBON	10K 5% 1/4W	R548	1-216-350-11	METAL OXIDE	1.2 5% 1W F
R099	1-215-900-11	METAL OXIDE	22K 5% 2W F	R549	1-215-890-11	METAL OXIDE	470 5% 2W F
R251	1-249-417-11	CARBON	1K 5% 1/4W	R550	1-249-440-11	CARBON	82K 5% 1/4W
R252	1-249-413-11	CARBON	470 5% 1/4W	R551	1-249-749-00	CARBON	2.2M 5% 1/4W
R253	1-249-413-11	CARBON	470 5% 1/4W	R552	1-216-433-00	METAL OXIDE	1.2K 5% 1W
R255	1-249-385-11	CARBON	2.2 5% 1/4W F	R553	1-216-869-11	METAL OXIDE	1K 5% 1W
R256	1-249-385-11	CARBON	2.2 5% 1/4W F	R554	1-249-411-11	CARBON	330 5% 1/4W
R260	1-249-393-11	CARBON	10 5% 1/4W	R555	1-249-749-00	CARBON	2.2M 5% 1/4W
R261	1-249-429-11	CARBON	10K 5% 1/4W	R556	1-249-405-11	CARBON	100 5% 1/4W
R262	1-249-413-11	CARBON	470 5% 1/4W	R557	1-249-425-11	CARBON	4.7K 5% 1/4W
R263	1-249-421-11	CARBON	2.2K 5% 1/4W	R558	1-247-895-00	CARBON	470K 5% 1/4W
R264	1-249-421-11	CARBON	2.2K 5% 1/4W	R559	1-249-427-11	CARBON	6.8K 5% 1/4W
R265	1-249-425-11	CARBON	4.7K 5% 1/4W	R560	1-249-411-11	CARBON	330 5% 1/4W
R266	1-249-425-11	CARBON	4.7K 5% 1/4W	R591	1-249-427-11	CARBON	6.8K 5% 1/4W
R401	1-249-434-11	CARBON	27K 5% 1/4W	R592	1-249-429-11	CARBON	10K 5% 1/4W
R402	1-249-435-11	CARBON	33K 5% 1/4W	R593	1-249-429-11	CARBON	10K 5% 1/4W
R410	1-249-413-11	CARBON	470 5% 1/4W	R594	1-249-424-11	CARBON	3.9K 5% 1/4W
R411	1-249-413-11	CARBON	470 5% 1/4W	R595	1-249-417-11	CARBON	1K 5% 1/4W
R412	1-249-413-11	CARBON	470 5% 1/4W	R596	1-249-425-11	CARBON	4.7K 5% 1/4W
R500	1-247-897-11	CARBON	560K 5% 1/4W	R597	1-249-425-11	CARBON	4.7K 5% 1/4W
R501	1-249-413-11	CARBON	470 5% 1/4W	R598	1-249-405-11	CARBON	100 5% 1/4W
R502	1-249-409-11	CARBON	220 5% 1/4W	R599	1-249-405-11	CARBON	100 5% 1/4W
R503	1-249-410-11	CARBON	270 5% 1/4W	R602	1-215-901-00	METAL OXIDE	33K 5% 2W F
R504	1-215-427-00	METAL	1.8K 1% 1/6W	R603	1-216-359-00	METAL OXIDE	6.8 5% 1W F
R505	1-249-431-11	CARBON	15K 5% 1/4W	R604	1-249-414-11	CARBON	560 5% 1/4W
R506	1-249-428-11	CARBON	8.2K 5% 1/4W	R605	1-215-469-00	METAL	100K 1% 1/6W
R507	1-247-891-00	CARBON	330K 5% 1/4W	R606	1-249-426-11	CARBON	5.6K 5% 1/4W
R509	1-249-424-11	CARBON	3.9K 5% 1/4W	R607	1-249-434-11	CARBON	27K 5% 1/4W
R510	1-249-426-11	CARBON	5.6K 5% 1/4W	R608	1-215-901-00	METAL OXIDE	33K 5% 2W F
R511	1-249-429-11	CARBON	10K 5% 1/4W	R609	1-249-401-11	CARBON	47 5% 1/4W
R512	1-247-891-00	CARBON	330K 5% 1/4W	R610	1-249-393-11	CARBON	10 5% 1/4W F
R513	1-249-429-11	CARBON	10K 5% 1/4W	R611	1-249-385-11	CARBON	2.2 5% 1/4W F
R514	1-249-409-11	CARBON	220 5% 1/4W	R612	1-207-905-00	WIREWOUND	0.27 10% 2W F
R515	1-249-423-11	CARBON	3.3K 5% 1/4W	R613	1-249-401-11	CARBON	47 5% 1/4W
R516	1-249-408-11	CARBON	180 5% 1/4W	R614	1-205-919-11	WIREWOUND	220 10% 10W F
R517	1-249-429-11	CARBON	10K 5% 1/4W	R616	1-249-417-11	CARBON	1K 5% 1/4W
R518	1-249-437-11	CARBON	47K 5% 1/4W	R617	1-249-411-11	CARBON	330 5% 1/4W
R519	1-249-433-11	CARBON	22K 5% 1/4W	R618	1-216-431-11	METAL OXIDE	560 5% 1W
R520	1-249-411-11	CARBON	330 5% 1/4W	R619	1-249-429-11	CARBON	10K 5% 1/4W
R521	1-249-405-11	CARBON	100 5% 1/4W	R620	1-249-433-11	CARBON	22K 5% 1/4W
R522	1-215-469-00	METAL	100K 1% 1/6W	R621	1-249-431-11	CARBON	15K 5% 1/4W
R523	1-249-417-11	CARBON	1K 5% 1/4W	R622	1-249-429-11	CARBON	10K 5% 1/4W
R524	1-249-421-11	CARBON	2.2K 5% 1/4W	R623	1-249-385-11	CARBON	2.2 5% 1/4W
R525	1-249-417-11	CARBON	1K 5% 1/4W	R624	1-249-411-11	CARBON	330 5% 1/4W
R526	1-249-409-11	CARBON	220 5% 1/4W F	R625	1-215-865-11	METAL OXIDE	220 5% 1W
R527	1-249-431-11	CARBON	15K 5% 1/4W	R626	1-249-411-11	CARBON	330 5% 1/4W
R528	1-249-408-11	CARBON	180 5% 1/4W	R628	1-249-393-11	CARBON	10 5% 1/4W
R529	1-249-427-11	CARBON	6.8K 5% 1/4W	R629	1-249-411-11	CARBON	330 5% 1/4W
R530	1-249-448-11	CARBON	1.2 5% 1/4W F	R630	1-249-437-11	CARBON	47K 5% 1/4W
R533	1-249-408-11	CARBON	180 5% 1/4W	R633	1-249-405-11	CARBON	100 5% 1/4W
R534	1-247-901-11	CARBON	820K 5% 1/4W	R634	1-216-430-11	METAL OXIDE	390 5% 1W
R535	1-249-753-15	CARBON	4.7M 5% 1/4W	R635	1-249-429-11	CARBON	10K 5% 1/4W
R536	1-249-749-00	CARBON	2.2M 5% 1/4W				

D **V**

The components identified by shading and mark **A** are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R636	1-249-429-11	CARBON	10K 5% 1/4W				
R642	1-216-343-00	METAL OXIDE	0.33 5% 1W	F			
R643	1-217-192-21	WIREWOUND	0.22 10% 2W	F			
R647	1-216-485-11	METAL OXIDE	5.6K 5% 3W	F			
R648	1-216-485-11	METAL OXIDE	5.6K 5% 3W	F			
R650	1-249-417-11	CARBON	1K 5% 1/4W				
R651	1-249-405-11	CARBON	100 5% 1/4W				
R652	1-247-903-00	CARBON	1M 5% 1/4W				
R802	1-249-443-11	CARBON	0.47 5% 1/4W	F			
R805	1-249-448-11	CARBON	1.2 5% 1/4W	F			
R806	1-249-439-11	CARBON	68K 5% 1/4W				
R807	1-216-869-11	METAL OXIDE	1K 5% 1W				
R809	1-202-821-11	SOLID	1.8K 10% 1/2W				
R810	1-202-818-00	SOLID	1K 10% 1/2W				
R811	1-215-863-11	METAL OXIDE	100 5% 1W				
R812	1-249-494-11	CARBON	68K 5% 1/2W				
R815	1-215-884-11	METAL OXIDE	47 5% 2W	F			
R816	1-215-868-00	METAL OXIDE	680 5% 1W				
R817	1-249-417-11	CARBON	1K 5% 1/4W				
R820	1-249-403-11	CARBON	68 5% 1/4W				
R821	1-247-725-11	CARBON	10K 5% 1/4W	F			
R822	1-217-778-11	FUSIBLE	1K 5% 1W	F			
R825	1-216-349-00	METAL OXIDE	1 5% 1W	F			
R826	1-249-441-11	CARBON	100K 5% 1/4W				
R827	1-249-429-11	CARBON	10K 5% 1/4W				
R828	1-249-423-11	CARBON	3.3K 5% 1/4W				
R829	1-249-418-11	CARBON	1.2K 5% 1/4W				
R830	1-249-429-11	CARBON	10K 5% 1/4W				
R831	1-249-451-11	CARBON	2.2 5% 1/4W				
R1001	1-249-421-11	CARBON	2.2K 5% 1/4W				
R1002	1-249-423-11	CARBON	3.3K 5% 1/4W				
R1003	1-249-413-11	CARBON	470 5% 1/4W				
R1005	1-249-408-11	CARBON	180 5% 1/4W				
R1006	1-249-408-11	CARBON	180 5% 1/4W				
R1007	1-249-408-11	CARBON	180 5% 1/4W				
R1008	1-249-409-11	CARBON	220 5% 1/4W				
R1009	1-249-417-11	CARBON	1K 5% 1/4W				
R1012	1-249-405-11	CARBON	100 5% 1/4W				
R5501	1-249-429-11	CARBON	10K 5% 1/4W				
R5502	1-249-417-11	CARBON	1K 5% 1/4W				
R5503	1-249-389-11	CARBON	4.7 5% 1/4W				
R5504	1-247-903-00	CARBON	1M 5% 1/4W				
R5505	1-249-393-11	CARBON	10 5% 1/4W				
<VARIABLE RESISTOR>							
RV501	1-228-991-00	RES, ADJ, CARBON	2.2K				
RV502	1-228-994-00	RES, ADJ, CARBON	10K				
RV601	1-228-991-00	RES, ADJ, CARBON	2.2K				
<CONNECTOR>							
<SPARK GAP>							
SG801	1-519-063-XX	DISCHARGING GAP					
<TRANSFORMER>							
T601 A.1-448-961-31	S.R.T						
T602 A.1-424-011-12	TRANSFORMER, PULSE						
T801 1-437-090-00	HDT						
T802 A.1-439-416-11	TRANSFORMER ASSY, FLYBACK						
<TERMINAL PIN>							
TP91 *1-535-084-00	1P TERMINAL PIN						
<TRIMMER>							
CT01	1-141-392-11	CAP, VAR, TRIMMER (1 GANG)					
<DIODE>							
D01	8-719-400-47	DIODE MA3056M					
D02	8-719-400-95	DIODE MA3130L					
D03	8-719-400-18	DIODE MA152WK					

V

J1

REF. NO.	PART NO.	DESCRIPTION			REMARK	REF. NO.	PART NO.	DESCRIPTION			REMARK
D04	8-719-105-52	DIODE RD3.6M-B2				R40	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
D07	8-719-400-63	DIODE MA3068M				R41	1-216-041-00	METAL GLAZE	470	5%	1/10W
D08	8-719-400-63	DIODE MA3068M				R43	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
D09	8-719-400-18	DIODE MA152WK				R44	1-216-041-00	METAL GLAZE	470	5%	1/10W
D10	8-719-400-18	DIODE MA152WK				R45	1-216-049-00	METAL GLAZE	1K	5%	1/10W
D11	8-719-914-44	DIODE DAP202K				R46	1-216-311-00	METAL GLAZE	6.8	5%	1/10W
D12	8-719-914-44	DIODE DAP202K				R51	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
		<IC>				R52	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
IC1	8-759-972-41	IC MAB8461P-W136				R53	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
IC2	8-759-972-96	IC SAA5231-V6				R54	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
IC3	8-759-013-21	IC SDA5241				R55	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
IC4	8-759-230-68	IC TMM2063P-70				R56	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
		<COIL>				R57	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
L01	1-408-411-00	INDUCTOR	15UH			R58	1-216-049-00	METAL GLAZE	1K	5%	1/10W
L02	1-408-407-00	INDUCTOR	6.8UH			R59	1-216-056-00	METAL GLAZE	2K	5%	1/10W
L03	1-408-407-00	INDUCTOR	6.8UH			R60	1-216-063-00	METAL GLAZE	3.9K	5%	1/10W
L04	1-408-407-00	INDUCTOR	6.8UH			R61	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
L05	1-408-407-00	INDUCTOR	6.8UH			R62	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
L06	1-408-407-00	INDUCTOR	6.8UH			R63	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
		<TRANSISTOR>				R64	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
Q01	8-729-920-92	TRANSISTOR 2SD2096-EF				R65	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
Q02	8-729-807-50	TRANSISTOR 2SD1623-R				R66	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
Q03	8-729-900-53	TRANSISTOR DTC114EK				R67	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
Q04	8-729-271-22	TRANSISTOR 2SC2712-G				R68	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
Q05	8-729-807-50	TRANSISTOR 2SD1623-R				R69	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
Q06	8-729-271-22	TRANSISTOR 2SC2712-G									
Q07	8-729-900-98	TRANSISTOR DTC143TK									
Q09	8-729-800-68	TRANSISTOR 2SB815B6									
Q10	8-729-800-68	TRANSISTOR 2SB815B6									
Q11	8-729-800-68	TRANSISTOR 2SB815B6									
		<RESISTOR>									
R01	1-218-326-11	METAL GLAZE	470		1/2W						
R02	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W						
R04	1-218-326-11	METAL GLAZE	470		1/2W						
R05	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R06	1-216-049-00	METAL GLAZE	1K	5%	1/10W						
		<CAPACITOR>									
R07	1-216-025-00	METAL GLAZE	100	5%	1/10W	C1401	1-123-875-11	ELECT	10MF	20%	50V
R08	1-216-037-00	METAL GLAZE	330	5%	1/10W	C1402	1-126-103-11	ELECT	470MF	20%	16V
R09	1-216-091-00	METAL GLAZE	56K	5%	1/10W	C1403	1-102-112-00	CERAMIC	330PF	10%	50V
R13	1-216-025-00	METAL GLAZE	100	5%	1/10W	C1404	1-124-902-00	ELECT	0.47MF	20%	50V
R14	1-216-025-00	METAL GLAZE	100	5%	1/10W	C1405	1-101-003-00	CERAMIC	0.0047MF		50V
R15	1-216-121-00	METAL GLAZE	1M	5%	1/10W	C1406	1-124-902-00	ELECT	0.47MF	20%	50V
R16	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W	C1407	1-124-477-11	ELECT	47MF	20%	16V
R17	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1408	1-126-101-11	ELECT	100MF	20%	16V
R18	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	C1409	1-126-233-11	ELECT	22MF	20%	50V
R19	1-216-037-00	METAL GLAZE	330	5%	1/10W	C1410	1-123-875-11	ELECT	10MF	20%	50V
R20	1-216-043-00	METAL GLAZE	560	5%	1/10W	C1411	1-123-875-11	ELECT	10MF	20%	50V
R27	1-216-013-00	METAL GLAZE	33	5%	1/10W	C1412	1-124-477-11	ELECT	47MF	20%	16V
R28	1-216-013-00	METAL GLAZE	33	5%	1/10W	C1413	1-124-477-11	ELECT	47MF	20%	16V
R29	1-216-013-00	METAL GLAZE	33	5%	1/10W	C1414	1-123-875-11	ELECT	10MF	20%	50V
R30	1-218-325-11	METAL GLAZE	120		1/4W	C1415	1-124-902-00	ELECT	0.47MF	20%	50V
R31	1-218-325-11	METAL GLAZE	120		1/4W	C1416	1-124-902-00	ELECT	0.47MF	20%	50V
R32	1-218-325-11	METAL GLAZE	120		1/4W	C1417	1-124-120-11	ELECT	220MF	20%	16V
R33	1-216-023-00	METAL GLAZE	82	5%	1/10W	C1418	1-102-112-00	CERAMIC	330PF	10%	50V
R34	1-216-049-00	METAL GLAZE	1K	5%	1/10W	C1419	1-102-112-00	CERAMIC	330PF	10%	50V
R37	1-216-025-00	METAL GLAZE	100	5%	1/10W	C1421	1-124-477-11	ELECT	47MF	20%	16V
R38	1-216-047-00	METAL GLAZE	820	5%	1/10W	C1423	1-106-375-12	MYLAR	0.022MF	10%	250V

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
C1424	1-106-375-12	MYLAR	0.022MF	10%	250V	IC1402	8-759-946-32	IC TEA2014A
C1425	1-124-902-00	ELECT	0.47MF	20%	50V	IC1501	8-759-942-16	IC TEA2031A
C1426	1-124-902-00	ELECT	0.47MF	20%	50V			
C1427	1-101-003-00	CERAMIC	0.0047MF		50V			
C1428	1-101-003-00	CERAMIC	0.0047MF		50V			
								<COIL>
C1429	1-101-003-00	CERAMIC	0.0047MF		50V	L1401	1-412-043-11	INDUCTOR, WIDE BAND
C1430	1-102-112-00	CERAMIC	330PF	10%	50V	L1402	1-412-043-11	INDUCTOR, WIDE BAND
C1431	1-124-902-00	ELECT	0.47MF	20%	50V			
C1432	1-124-902-00	ELECT	0.47MF	20%	50V			
C1433	1-126-101-11	ELECT	100MF	20%	16V			<TRANSISTOR>
C1436	1-102-074-00	CERAMIC	0.001MF	10%	50V	Q1401	8-729-173-38	TRANSISTOR 2SA733-K
C1437	1-102-074-00	CERAMIC	0.001MF	10%	50V	Q1402	8-729-173-38	TRANSISTOR 2SA733-K
C1501	1-123-875-11	ELECT	10MF	20%	50V			
C1502	1-123-875-11	ELECT	10MF	20%	50V			
C1503	1-108-614-11	MYLAR	0.001MF	10%	100V			<RESISTOR>
C1504	1-124-910-11	ELECT	47MF	20%	50V	R1401	1-249-404-00	CARBON
C1505	1-106-383-00	MYLAR	0.047MF	10%	100V	R1402	1-247-698-11	CARBON
C1507	1-108-620-11	MYLAR	0.0033MF	10%	100V	R1403	1-249-437-11	CARBON
C1508	1-123-875-11	ELECT	10MF	20%	50V	R1404	1-249-413-11	CARBON
C1509	1-124-499-11	ELECT	1MF	20%	50V	R1405	1-249-429-11	CARBON
C1511	1-123-875-11	ELECT	10MF	20%	50V	R1407	1-247-895-00	CARBON
C1512	1-106-363-00	MYLAR	0.0068MF	10%	400V	R1408	1-249-434-11	CARBON
C1513	1-102-963-00	CERAMIC	33PF	5%	50V	R1409	1-249-413-11	CARBON
C1514	1-106-353-00	MYLAR	0.027MF	10%	250V	R1410	1-249-434-11	CARBON
C1515	1-102-117-00	CERAMIC	820PF	10%	50V	R1411	1-249-413-11	CARBON
						R1412	1-249-437-11	CARBON
						R1413	1-247-895-00	CARBON
						R1414	1-249-437-11	CARBON
						R1415	1-249-434-11	CARBON
						R1416	1-249-434-11	CARBON
						R1417	1-249-404-00	CARBON
CN1401	1-536-996-11	TERMINAL BOARD, INPUT/OUTPUT				R1418	1-247-738-11	CARBON
CN1402	1-561-534-41	SOCKET 21P				R1419	1-249-409-11	CARBON
CN1403	1-561-534-41	SOCKET 21P				R1420	1-249-409-11	CARBON
CNJ25	*1-564-892-41	PLUG, CONNECTOR 3P				R1421	1-249-417-11	CARBON
CNJ41	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P				R1422	1-249-417-11	CARBON
CNJ43	*1-564-893-11	PLUG, CONNECTOR 4P				R1423	1-249-434-11	CARBON
CNJ45	*1-564-894-11	PLUG, CONNECTOR 5P				R1424	1-249-434-11	CARBON
CNJ51	*1-566-641-11	CONNECTOR, HINGE (TAB) 18P				R1425	1-249-417-11	CARBON
CNJ67	*1-560-721-21	PLUG, CONNECTOR 2P				R1426	1-249-417-11	CARBON
CNJ142	*1-564-893-11	PLUG, CONNECTOR 4P				R1427	1-249-417-11	CARBON
						R1428	1-247-895-00	CARBON
						R1429	1-247-895-00	CARBON
						R1430	1-247-699-11	METAL
D1401	8-719-110-04	DIODE RD7.5ES-B3				R1431	1-249-409-11	CARBON
D1403	8-719-110-04	DIODE RD7.5ES-B3				R1432	1-249-393-11	CARBON
D1404	8-719-110-04	DIODE RD7.5ES-B3				R1433	1-249-409-11	CARBON
D1405	8-719-110-04	DIODE RD7.5ES-B3				R1434	1-249-393-11	CARBON
D1406	8-719-110-04	DIODE RD7.5ES-B3				R1435	1-247-429-11	CARBON
D1407	8-719-110-18	DIODE RD10ES-B3				R1436	1-249-429-11	CARBON
D1408	8-719-110-14	DIODE RD9.1ES-B3				R1437	1-249-415-11	CARBON
D1409	8-719-110-04	DIODE RD7.5ES-B3				R1438	1-249-415-11	CARBON
D1410	8-719-110-04	DIODE RD7.5ES-B3				R1439	1-249-437-11	CARBON
D1415	8-719-110-04	DIODE RD7.5ES-B3				R1440	1-249-437-11	CARBON
D1418	8-719-110-04	DIODE RD7.5ES-B3				R1441	1-249-415-11	CARBON
D1419	8-719-110-04	DIODE RD7.5ES-B3				R1442	1-249-437-11	CARBON
D1420	8-719-110-04	DIODE RD7.5ES-B3				R1443	1-249-437-11	CARBON
D1501	8-719-912-20	DIODE ISS120				R1444	1-249-409-11	CARBON
D1502	8-719-911-19	DIODE ISS119				R1445	1-249-440-11	CARBON
D1503	8-719-911-19	DIODE ISS119				R1446	1-249-409-11	CARBON
D1504	8-719-911-19	DIODE ISS119				R1447	1-249-409-11	CARBON
D1505	8-719-000-12	DIODE MC931				R1448	1-249-409-11	CARBON
D1506	8-719-110-85	DIODE RD36ES-B4				R1449	1-249-412-11	CARBON
D1507	8-719-911-19	DIODE ISS119				R1450	1-249-412-11	CARBON
						R1451	1-249-412-11	CARBON
						R1452	1-249-412-11	CARBON
						R1453	1-249-412-11	CARBON
						R1454	1-247-703-11	METAL
						R1455	1-247-703-11	METAL
						R1456	1-249-405-11	CARBON
						R1501	1-249-433-11	CARBON
						R1502	1-249-434-11	CARBON
						R1503	1-247-895-00	CARBON
						R1504	1-249-435-11	CARBON
						R1505	1-249-433-11	CARBON

J1**J2****H3****H4****Ks**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
R1506	1-247-895-00	CARBON	470K 5% 1/4W	S1401	1-571-085-21	SWITCH, TACTILE					
R1509	1-247-887-00	CARBON	220K 5% 1/4W	S1402	1-571-085-21	SWITCH, TACTILE					
R1510	1-249-426-11	CARBON	5.6K 5% 1/4W	S1403	1-571-085-21	SWITCH, TACTILE					
R1511	1-249-417-11	CARBON	1K 5% 1/4W	S1404	1-571-085-21	SWITCH, TACTILE					
R1512	1-249-429-11	CARBON	10K 5% 1/4W	S1405	1-571-085-21	SWITCH, TACTILE					
R1513	1-249-438-11	CARBON	56K 5% 1/4W	S1406	1-571-085-21	SWITCH, TACTILE					
R1514	1-249-417-11	CARBON	1K 5% 1/4W	S1407	1-571-085-21	SWITCH, TACTILE					
R1515	1-247-899-11	CARBON	680K 5% 1/4W	S1408	1-571-085-21	SWITCH, TACTILE					
R1516	1-249-432-11	CARBON	18K 5% 1/4W	S1409	1-571-085-21	SWITCH, TACTILE					
R1517	1-249-410-11	CARBON	270 5% 1/4W	S1410	1-571-085-21	SWITCH, TACTILE					
R1518	1-249-429-11	CARBON	10K 5% 1/4W	S1411	1-571-085-21	SWITCH, TACTILE					
R1519	1-247-883-00	CARBON	150K 5% 1/4W	S1412	1-571-085-21	SWITCH, TACTILE					
R1520	1-247-895-00	CARBON	470K 5% 1/4W	S1414	1-571-085-21	SWITCH, TACTILE					
R1521	1-249-425-11	CARBON	4.7K 5% 1/4W								
R1556	1-249-426-11	CARBON	5.6K 5% 1/4W								
<VARIABLE RESISTOR>											
RV1501	1-238-023-11	RES, ADJ, CARBON	470K								
RV1502	1-228-994-00	RES, ADJ, CARBON	10K								
RV1503	1-238-017-11	RES, ADJ, CARBON	22K								
RV1504	1-238-012-11	RES, ADJ, CARBON	1K								
RV1505	1-238-023-11	RES, ADJ, CARBON	470K								
RV1506	1-238-017-11	RES, ADJ, CARBON	22K								
RV1507	1-238-009-11	RES, ADJ, CARBON	220								
RV1508	1-238-016-11	RES, ADJ, CARBON	10K								
RV1509	1-228-999-00	RES, ADJ, CARBON	470K								

*1-629-783-21	J2 BOARD		*****								
<CAPACITOR>											
C1401	1-126-105-11	ELECT	1000MF	20%	35V	D1401	8-719-948-31 DIODE LD-201VR				
C1402	1-126-105-11	ELECT	1000MF	20%	35V	*4-387-825-01	HOLDER, LED; D1401				
<CONNECTOR>											
CNJ23	*1-564-893-11	PLUG, CONNECTOR	4P	D1402	8-719-948-31 DIODE LD-201VR						
CNJ242	*1-564-893-11	PLUG, CONNECTOR	4P	*4-387-825-01	HOLDER, LED; D1402						

<JACK>											
J1401	1-507-806-00	JACK		IC1401	8-741-138-70 IC BX-1387						
<RESISTOR>											
R1401	1-247-708-11	CARBON	470 5% 1/4W	IC1401	8-749-901-33 IC SBX1483-11						
R1402	1-247-708-11	CARBON	470 5% 1/4W	*****							

*1-629-785-21	H3 BOARD		*****								
<CONNECTOR>											
CNH302	*1-564-898-11	PLUG, CONNECTOR	9P	C202	1-124-902-00 ELECT	0.47MF	20%	50V			
CNH303	*1-564-892-41	PLUG, CONNECTOR	3P	C203	1-124-477-11 ELECT	47MF	20%	16V			
<DIODE>											
D1405	8-719-812-41	DIODE TLR124		C204	1-124-902-00 ELECT	0.47MF	20%	50V			
*4-348-208-00	HOLDER, LED; D1405			C205	1-124-927-11 ELECT	4.7MF	20%	50V			

<CAPACITOR>											
C206	1-124-477-11	ELECT	47MF	C207	1-124-927-11 ELECT	4.7MF	20%	50V			
				C213	1-126-233-11 ELECT	22MF	20%	50V			
				C214	1-106-363-00 MYLAR	0.0068MF	10%	400V			
				C217	1-106-363-00 MYLAR	0.0068MF	10%	400V			
				C218	1-106-375-12 MYLAR	0.022MF	10%	250V			
				C219	1-106-375-12 MYLAR	0.022MF	10%	250V			
				C220	1-108-620-11 MYLAR	0.0033MF	10%	100V			
				C221	1-108-620-11 MYLAR	0.0033MF	10%	100V			
				C222	1-106-375-12 MYLAR	0.022MF	10%	250V			

Ks

The components identified by shading and mark **▲** are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK							
C223	1-106-375-12	MYLAR	0.022MF	10%	250V	R224	1-249-413-11	CARBON	470	5%	1/4W			
C224	1-106-367-00	MYLAR	0.01MF	10%	400V	R225	1-249-417-11	CARBON	1K	5%	1/4W			
C225	1-136-173-00	FILM	0.47MF	5%	50V	R226	1-249-417-11	CARBON	1K	5%	1/4W			
C226	1-136-173-00	FILM	0.47MF	5%	50V	R227	1-249-417-11	CARBON	1K	5%	1/4W			
C227	1-106-375-12	MYLAR	0.022MF	10%	250V	R228	1-249-417-11	CARBON	1K	5%	1/4W			
C228	1-106-379-12	MYLAR	0.033MF	10%	250V	R229	1-249-441-11	CARBON	100K	5%	1/4W			
C229	1-106-371-00	MYLAR	0.015MF	10%	400V	R230	1-249-441-11	CARBON	100K	5%	1/4W			
C230	1-106-371-00	MYLAR	0.015MF	10%	400V	R231	1-249-437-11	CARBON	47K	5%	1/4W			
C231	1-124-902-00	ELECT	0.47MF	20%	50V	R232	1-249-437-11	CARBON	47K	5%	1/4W			
C232	1-123-875-11	ELECT	10MF	20%	50V	*****								
C233	1-102-114-00	CERAMIC	470PF	10%	50V	*****								
C234	1-102-114-00	CERAMIC	470PF	10%	50V	*****								
C235	1-102-114-00	CERAMIC	470PF	10%	50V	*****								
C236	1-102-114-00	CERAMIC	470PF	10%	50V	*****								
C237	1-124-902-00	ELECT	0.47MF	20%	50V	*****								
C238	1-102-978-00	CERAMIC	220PF	5%	50V	▲ 1-451-295-31	DEFLECTION YOKE (Y21PFA2)							
C239	1-126-103-11	ELECT	470MF	20%	16V	1-452-032-00	MAGNET, DISK; 10MM ϕ							

<CONNECTOR>								1-452-094-00	MAGNET, RPTATABLE DISK; 15MM ϕ					
CNK21 *1-562-370-21 CONNECTOR, BOARD TO BOARD 18P								1-452-277-00	MAGNET, BMC					
CNK25 *1-564-880-31 PLUG, CONNECTOR 3P								1-503-642-41	SPEAKER					
*****								1-574-565-11	CORD (WITH PLUG)					
*****								▲ 1-559-346-12	CORD, POWER (WITH CONNECTOR)					
*****								L901 ▲ 1-426-383-11	COIL, DEMAGNETIZATION					
*****								V901 ▲ 8-738-753-05	PICTURE TUBE (A51JUH60X)					
*****								*****						
<DIODE>								*****						
D201	8-719-110-14	DIODE RD9.1ES-B3				*****								
D202	8-719-110-14	DIODE RD9.1ES-B3				*****								
D205	8-719-110-04	DIODE RD7.5ES-B3				*****								
D206	8-719-110-04	DIODE RD7.5ES-B3				*****								
<IC>								*****						
IC201	8-759-013-17	IC TDA6200				A-1470-844-A	COMMANDER ASSY (RM-673)							
<TRANSISTOR>						3-750-032-51	MANUAL, INSTRUCTION							
Q201	8-729-119-78	TRANSISTOR 2SC2785-HFE				*4-377-015-01	BAG, PROTECTION							
Q202	8-729-119-78	TRANSISTOR 2SC2785-HFE				*4-387-852-02	CUSHION (UPPER) (ASSY)							
<RESISTOR>						*4-387-853-03	CUSHION (LOWER) (ASSY)							
R201	1-249-441-11	CARBON	100K	5%	1/4W	*****								
R202	1-249-425-11	CARBON	4.7K	5%	1/4W	*****								
R203	1-249-441-11	CARBON	100K	5%	1/4W	*****								
R204	1-249-435-11	CARBON	33K	5%	1/4W	*****								
R205	1-249-435-11	CARBON	33K	5%	1/4W	*****								
R206	1-249-423-11	CARBON	3.3K	5%	1/4W	*****								
R207	1-249-423-11	CARBON	3.3K	5%	1/4W	*****								
R208	1-249-431-11	CARBON	15K	5%	1/4W	*****								
R209	1-249-433-11	CARBON	22K	5%	1/4W	*****								
R210	1-249-431-11	CARBON	15K	5%	1/4W	*****								
R211	1-249-441-11	CARBON	100K	5%	1/4W	*****								
R212	1-249-433-11	CARBON	22K	5%	1/4W	*****								
R213	1-249-431-11	CARBON	15K	5%	1/4W	*****								
R214	1-249-417-11	CARBON	1K	5%	1/4W	*****								
R215	1-249-433-11	CARBON	22K	5%	1/4W	*****								
R216	1-249-433-11	CARBON	22K	5%	1/4W	*****								
R217	1-249-431-11	CARBON	15K	5%	1/4W	*****								
R218	1-249-417-11	CARBON	1K	5%	1/4W	*****								
R219	1-249-429-11	CARBON	10K	5%	1/4W	*****								
R220	1-249-425-11	CARBON	4.7K	5%	1/4W	*****								
R221	1-249-417-11	CARBON	1K	5%	1/4W	*****								
R222	1-249-417-11	CARBON	1K	5%	1/4W	*****								
R223	1-249-413-11	CARBON	470	5%	1/4W	*****								